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This document has been prepared for personnel interested in recent documented activities at the Naval Postgraduate School.

A list of papers, reports and presentations by NPS faculty and students during the previous four years is included. Requests for additional information should be directed to the Defense Technical Information Center, to the faculty members in the research area of interest, or to the Dean of Research.

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DEPARTMENT OF COMPUTER SCIENCE CONFERENCE PRESENTATIONS

- Bradley, G H
 Energy modelling with network optimization
 Federal Energy Administration, Wash., D. C., Sept.,
 1976.
- Bradley, G H
 Survey of deterministic-networks
 Plenary Speaker, Int. Symp. on Extremal Methods and
 Systems Analysis, Sept., 1977.
- Bradley, G H: Brown, G G
 Network optimization and defense modeling
 Center for Nav. Analyses, Arlington, Va., Aug., 1976.
- Bradley, G H: Brown, G G
 Application of network models to corporate planning
 Texas Instruments Company, Dallas, Tex., Oct., 1976.
- Bradley, G H; Brown, G G
 Extensions of network optimization algorithms
 SIGMAP Session, ACM Nat. Mtg., Houston, Tex., Oct.,
 1976.
- Bradley, G H; Brown, G G
 Modelling applied to military force readiness
 Hilitary Oper. Res. Soc. Mtg., Ft. Eustis, Va., Dec.,
 1976.
- Bradley, G H: Brown, G G
 Large scale network optimization
 Stanford Oper. Res. Colloquium, Stanford, Calif.,
 Jan., 1977.
- Bradley, G H: Brown, G G
 Advances in large scale optimization
 Stanford, Calif., Apr., 1977.
- Bradley, G H; Brown, G G; Graves, G W
 Design and implementation of large scale primal
 transshipment algorithms
 9th Int. Mathematical Programming Symp., Budapest,
 Hungary, Aug., 1976.
- Brown, G G
 Perspectives on optimization and military systems
 analysis
 42nd Symp. of the Military Oper. Res. Soc., Newport,
 RI, Dec. 5, 1978.

DEPARTMENT OF COMPUTER SCIENCE CONFERENCE PRESENTATIONS

(cont d)

- Brown, G G: Bradley, G H: Graves, G W
 Fleet vehicle scheduling: A practical application of
 the quadratic assignment model
 Joint Nat. Mtg./Oper. Res. Soc. Am. and Inst. for
 Manage. Sci., Los Angeles, Calif., Nov. 13, 1978.
- Brown, G G: Bradley, G H: Graves, G W: Haefele, R
 Optimal, real-time dispatch of petroleum tank trucks
 24th Int. Mtg., the Inst. of Manage. Sci., Honolulu,
 HI, June 18, 1979.
- Brown, G G; Bradley, G H; Graves, G W; Haefele, R
 Optimal, real-time dispatch of petroleum tank trucks
 24th Int. Mtg., the Inst. of Manage. Sci., Honolulu,
 HI, June 18, 1979.
- Brown, G G; Geoffrion, A M; Bradley, G H; Schmidt, R Production planning at a building materials company Joint Nat. Mtg./Oper. Res. Soc. Am. and Inst. for Manage. Sci., Los Angeles, Calif., Nov. 13, 1978.
- Brown, G G; Geoffrion, A M; Bradley, G H; Schmidt, R Production planning at a building materials company Joint Nat. Mtg./Oper. Res. Soc. Am. and Inst. for Manage. Sci., Los Angeles, Calif., Nov. 13, 1978.
- Brown, G G: Graves, G W
 Open questions in basis representation and manipulation
 Joint Nat. Mtg./Oper. Res. Soc. Am. and Inst. for
 Manage. Sci., Los Angeles, Calif., Nov. 13, 1978.
- Brown, G G: Graves, G W
 Computational implications of degeneracy in large scale optimization
 14th Int. Symp. on Mathematical Programming,
 Montreal, Canada, Sept., 1979.
- Brown, G G: Graves, G W
 Computational tools for solving large mixed integer
 optimization problems
 Joint Nat. Mtg./Oper. Res. Soc. Am. and Inst. for
 Manage. Sci., New Orleans, La., Apr. 30, 1979.
- Brown, G G; Graves, G W; Bradley, G H
 Design and implementation of a new large scale
 optimization system
 14th Int. Symp. on Mathematical Programming,
 Montreal, Canada, Sept., 1979.

DEPARTMENT OF COMPUTER SCIENCE CONFERENCE PRESENTATIONS

(cont'd)

- Brown, G G; Graves, G W; Bradley, G H
 Design and implementation of a new large scale optimization system
 14th Int. Symp. on Mathematical Programming, Montreal, Canada, Sept., 1979.
- Cox, L A
 Computer pattern recognition in criminal investigations
 Ann. Conf. I.A.B.T.I., Santa Barbara, Calif., Nov.,
 1978.
- Kodres, U R
 Impact of large scale integration on Navy automatic data processing
 Navy Symp. on Advanced Computer Technol., Washington, D. C., Apr., 1976.
- Kodres, U R
 Analysis of real-time systems by data flowgraphs
 Computer Software and Applications Conf., IEEE
 Computer Soc., Chicago, Ill., Nov. 8-11, 1977.
- Schell, R R
 Security kernel technology in the government
 AESCP Oper. Managers Conf., Carmel, Calif., Feb.
 13-15, 1979.

DEPARTMENT OF COMPUTER SCIENCE JOURNAL PUBS & CONFERENCE PROCS

- Barksdale, G L
 NUNIX: An environment for program development and
 real-time execution
 9th Hawaii Int. Conf. Systems Sci., Univ. of Hawaii,
 Honclulu, HI, Jan., 1976.
 IN Proc., (1976).
- Barksdale, G L
 MUNIX: An environment for software development and real-time execution
 9th Hawaii Int. Conf. Systems Sci., Univ. of Hawaii, Honolulu, HI, Jan., 1976.
 IN Proc., (1976).
- Bradley, G H; Brown, G G; Graves, G W
 Surrogate programming approach to solution of large
 scale network problems
 Network and Extensions, Technical Session, ORSA/TIMS
 Nat. Mtg., Fhiladelphia, Pa., Mar., 1976.
- Bradley, G H: Brown, G G: Graves, G W
 Imbedded networks in large scale optimization models
 Algorithms for Large Scale Optimization Problems,
 Technical Session, ORSA/TIMS Nat. Mtg., Miami, Fla.,
 Nov., 1976.
- Bradley, G H: Brown, G G: Graves, G W
 Large scale network optimization
 9th Int. Mathematical Programming Symp., Budapest,
 Hungary, Aug., 1976.
- Bradley, G H; Brown, G G; Graves, G W
 Preprocessing of large linear programs
 Large Scale Optimization Session, Oper. Res. Soc. of
 America/Inst. Manage. Sci., Atlanta, Ga., Nov., 1977.
 IN Proc.
- Bradley, G H: Brown, G G: Graves, G W
 Design and implementation of large scale primal transshipment algorithms
 Exceptional Paper in Manage. Sci., vol. 24, no. 1, p. 1-34, (1977).
- Bradley, G H: Schneidewind, N F: Howard, G T Analysis of program structure and error detection properties
 ACM Software Eng. Notes, vol. 1, no. 2, p. 20a-20b, (1976).

8

DEPARTMENT OF COMPUTER SCIENCE JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Brown, G G
 A note on numerical maximum likelihood estimation of the parameters of the Weibull distribution
 IEEE Trans. Reliability, vol. 24, no. 2, (1976).
- Brown, G G
 Issues in basis manipulation:
 Factorization-decomposition
 ORSA/TIMS Nat. Mtg., Miami, Pla., Nov., 1976.
 IN Proc., (1976).
- Brown, G G: Bradley, G H
 Extensions of network optimization algorithms
 ACM Nat. Mtg., Houston, Tex., Oct., 1976.
 IN Proc., (1976).
- Brown, G G: Bradley, G H
 Imbedded networks in large scale optimization models
 ORSA/TIMS Nat. Mtg., Miami, Fla., Nov., 1976.
- Brown, G G: Bradley, G H and others
 Surrogate programming approach to solution of large
 scale network problems
 ORSA/TIMS Nat. Mtg., Philadelphia, Pa., Mar., 1976.
 IN Proc., (1976).
- Brown, G G; Rutemiller, H C Some probability problems concerning the game of bingo Math. Teacher, vol. 66, no. 5, (1977).
- Brown, G G: Rutemiller, H C
 A cost analysis of sampling inspection under military standard 105D
 Nav. Res. Log. Q., vol. 20, no. 1, (1977).
- Brown, G G; Rutemiller, H C
 Evaluation of Pr(X-Y) when both X and Y are from
 3-parameter Weitull distributions
 IEEE Trans. on Reliability, vol. R-22, no. 2, (1977).
- Brown, G G: Rutemiller, H C
 Means and variances of stochastic vector products with applications to random linear models
 Manage. Sci., vol. 24, no. 2, p. 210-216, (1977).
- Brown, G G: Rutemiller, H C: Solberg, E
 Maximum likelihood estimation of the probability of
 labor force participation where the dependent variable
 is binary, with an application to the AFDC
 population-at-risk
 Atlantic Econ. Q., vol. 2, p. 22-31, (1977).

7

DEPARTMENT OF COMPUTER SCIENCE JOUFNAL PUBS & CCNFERENCE PROCS (cont'd)

- Brown, G G: Taylor, J G
 Canonical methods in the solution of
 variable-coefficient Lanchester-type equations of modern
 warfare
 Oper. Res., vcl. 24, no. 1, p. 44-69, (1976).
- Brown, G G: Taylor, J G
 Further canonical methods in the solution of
 variable-coefficient Lanchester-type equations of modern
 warfare: A new definition of power Lanchester functions
 ORSA/TIMS Nat. Mtg., Miami, Fla., Nov., 1976.
 IN Proc., (1976).
- Burkhead, F
 Parallel processing of recursine functions
 Ann. Conf. of the Assoc. for Computing Machine.,
 Detroit, Mich., Feb., 1978.
 IN Proc., (1978).
- Cox, L A
 Predicting concurrent computer system performance using
 Petri-net models
 Assoc. for Computing Machine. Ann. Conf., Dec., 1978.
 IN Proc.
- Cox, L A
 Performance prediction from a computer hardware
 description
 Symp. on Computer Hardware Description Languages,
 Oct., 1979.
 IN Proc.
- Cox, L A
 The nature of computer architecture
 Computer Architecture News, vcl. 7, no. 7, 6 p.,
 (Apr., 1979).
- Cox, L A: Schell, B R Understanding computer related crime Crime Prevention Rev., vol. 6, no. 4, 20 p., (July, 1979).
- Hamming, R W
 Confessions of numerical analyst
 CSIRO Div. Math. and Stat. Newsletter, vol. 33,
 (July, 1977).

ł

DEPARIMENT OF COMPUTER SCIENCE

JOUFNAL PUBS & CONFERENCE PROCS (cont'd)

- Hamming, R W
 A formula for generating prime numbers
 Popular Computing, vol. 5, no. 5, (1977).
- Kodres, U R
 The data flow graph as an aide to the designer
 IN IEEE Workshop on Microccomputer Systems Des.,
 Monterey, Calif., July, 1976.
- Kodres, U R
 Discrete systems and flowcharts
 IEEE Trans. Software Eng., vol. SE-4, no. 6, p. 521-525, (1978).
- Kodres, U R
 Analysis of real-time systems by data flowgraphs
 IEEE Trans. Software Eng., vol. SE-4, no. 3, p.
 169-178, (1978).
- Kodres, U R; Niemann, W
 RDEX real time distributed system's executive
 MIMI '79, Anaheim, Calif., Jan., 1979.
 IN Int. Soc. for Mini and Micro Computers 7th
 Int. Symp., Acta Press, p. 88-90, (Jan., 1979).
- Kodres, U R; Niemann, W
 RDEX-real time distributed system's executive
 7th Int. Symp. on Mini and Microcomputers, Anaheim,
 Calif., Jan. 16-18, 1978.
 IN Proc.
- Rahe, G A
 Signal processing and display
 ELF Electromagnetic Seminar, Johns Hopkins Univ.,
 Oct., 1976.
 IN Proc.
- Roland, R J
 Motivation theory, a plethora
 Dept. of Manage., College of Business Administration,
 Univ. of Netraska, (Dec., 1976).
- Rcland, R J
 The C-3 laboratory: Concept reality
 Computer Related Information Systems Symp. USAF
 Academy, Colorado Springs, Colo., Jan., 1979.
 IN Proc., (1979).

1 orbit

DEFARTMENT OF COMPUTER SCIENCE
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Roland, R J
 The C+3 laboratory and management communication
 Workshop on Human Factor Issues, Lockheed Corp.,
 Sunnyvale, Calif., May, 1979.
 IN Proc., (1979).
- Schell, R R
 Security kernels: A methodical design of system
 security
 USE Spring Ccnf., San Diego, Calif., Mar. 5-9, 1979.
 IN USE Technical Papers, (Spring Conf. 1979), USE
 Inc., p. 245-250, (1979).
- Schell, R R
 Security kernel design methodology
 Seminar on the Dept. of Defense Computer Security
 Initiative Program, Nat. Bureau of Standards,
 Gaithersburg, Md., July 17-18, 1979.
 IN Proc., Nat. Bureau of Standards, (1979).
- Schell, R R
 Computer security: The Achilles heel of the electronic Air Porce
 USAF Academy Computer Related Information Systems
 Symp., USAF Academy, Colorado Springs, Colo., Jan.
 24-26, 1979.
 IN Proc., USAF Academy, p. 7-1 to 7-32, (1979).
- Schell, R R
 Computer security: The Achilles' heel of the electronic Air Force
 Air Univ. Rev., vol. 30, no. 2, p. 16-33, (Jan. Feb., 1979).
- Schneidewind, N F
 Validation tests for a software error simulation model
 1976 Summer Computer Simulation Conf., Washington, D.
 C.
 IN Proc., p. 892-896, (1976).
- Schneidewind, N F
 The application of simulation to the evaluation of computer software
 Computer Performance Evaluation Users Group, San Diego, Calif., Nov., 1976.
 IN Proc., p. 203-210, (1976).

- 4

DEFARTMENT OF COMPUTER SCIENCE
JOURNAL PUBS & CONFERENCE PROCS (cont*d)

- Schneidewind, N F
 Directed graph measures of computer program complexity
 IN ORSA/TIMS Mtg., Miami, Fla., Nov., 1976.
- Schneidewind, N F
 Computer system testing
 Nav. Res. Revs., vol. 29, no. 2, p. 23, (1976).
- Schneidewind, N F
 Modularity considerations in real time operating system structures
 Computer Software and Applications Conf., Chicago, Ill., Nov., 1977.
 IN Proc., IEEE Computer Soc., p. 397-403, (1977).
- Schneidewind, N F
 The use of simulation in the evaluation of software Computer, p. 47-53, (Apr., 1977).
- Schneidewind, N F
 An experiment in software error data collection and
 analysis
 6th Texas Conf. on Computing Systems.
 IN Proc., IEEE Computer Soc., p. 4A1-4A12, (Nov.,
 1977).
- Schneidewind, N F
 Software engineering of the micro/mini computer subnet in computer networks
 Computer Software and Applications Conf., Chicago, Ill., Nov. 13-16, 1978.
 IN Proc., Inst. of Electrical and Electronics Engrs. Computer Soc., p. 508-513, (1978).
- Schneidewind, N F
 Comparison of simulator predicted operating system
 performance with actual system performance
 COMPCON, San Francisco, Calif., Feb. 28-Mar. 3, 1978.
 IN Digest of Papers, 16th IEEE Computer Soc. Int.
 Conf., Inst. Electrical and Electronics Engrs.
 Computer Soc., (1978).
- Schneidewind, N F
 Emulation-tool for software development
 1978 Nat. Computer Conf., Anaheim, Calif., June 5-8,
 1978.
 IN Conf. Proc., Nat. Computer Conf., Am.
 Pederation of Information Processing Societies,
 vol. 47, (1978).

DEFARTMENT OF COMPUTER SCIENCE
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Schneidewind, N P
 Application of program graphs and complexity analysis to software development and testing
 IEEE Trans. on Reliability, vol. R-28, no. 3, p. 192-198, (Aug., 1979).
- Schneidewind, N F
 Validation tests of a software error detection
 prediction model
 TIMS 24th Int. Mtg., Honolulu, HI, June, 1979.
 IN Proc., (1979).
- Schneidewind, N F
 Software metrics for aiding program development and debugging
 1979 Nat. Computer Conf., New York City, N. Y., June 5, 1979.
 IN AFIPS 1979 Nat. Computer Conf. Proc., p. 989-994, (1979).
- Schneidewind, N F: Bradley, G H: Howard, G T Analysis of program structure and error detection properties

 IN ACM Software Eng. Notes, vol. 1, no. 2, p. 20a-20b, (1976).
- Schneidewind, N F; Green, T F
 Simulation of error detection in computer programs
 IN ACM Simuletter, vol. 7, no. 3, p. 8-11,
 (1976).
- Schneidewind, N F: Green, T F
 Frogram structures, complexity and error characteristics
 Polytechnic Inst. New York Symp. Computer Software
 Eng., Apr., 1976.
 IN Proc., (1576).
- Schneidewind, N F: Hoffman, H M
 Software error data collection and analysis
 Summer Computer Simulation Conf., Newport Beach,
 Calif., July 24-26, 1978.
 IN Proc., Am. Federation of Information Processing
 Societies, p. 748-753, (1978).
- Schneidewind, N F: Hoffmann, H M
 An experiment in software error data collection and
 analysis
 IEEE Trans. on Software Eng., vol. SE-5, no. 3, p.
 276-286, (May, 1979).

DEPARTMENT OF COMPUTER SCIENCE IECHNICAL REPORTS AND NOTES

- Barksdale, G L; Meyer, W B
 TPS, a text processing system, primer and reference
 manual
 Naval Postgraduate School, (NPS-72Ba76011, 1976. 74
- Bradley, G H
 Analysis of IIES and PIES mathematical programs
 Federal Energy Administration Internal Rep., Aug.,
 1976.
- Bradley, G H: Brown, G G: Graves, G W
 Design and implementation of large scale primal
 transshipment algorithms
 Naval Postgraduate School, (NFS-55BzBw76091), 1976.
 59 p.
- Bradley, G H: Brown, G G: Graves, G W Design and implementation of large scale primal transshipment algorithms UCLA, (WMSI Rep. 260), 1976.
- Brown, G G: Bradley, G H and others
 Design and implementation of large scale primal
 transshipment algorithms
 Naval Postgraduate School, (NPS-55BzBw76091), 1976.
 58 p.
- Brown, G G; Geoffrion, A M; Bradley, G H Seasonal production planning with limited shared tooling at the key operation UCLA, (WMSI Rep. 299), Oct., 1979. 35 p.
- Brown, G G: Rutemiller, H C
 Means and variances of stochastic vector products with applications to random linear models
 Naval Postgraduate School, (NPS-55776), 1977. 17 p.
- Brown, G G; Shubert, B O
 On random binary trees
 Naval Postgraduate School, (NPS-55Bw76061), 1976. 45
 p.
- Brown, G G; Taylor, J G
 An examination of the effects of the criterion
 functional on optimal fire-support policies
 Naval Postgraduate School, (NPS55Tw55Bw/6092), 1976.
 48 p.

DEFARTMENT OF COMPUTER SCIENCE TECHNICAL REPORTS AND NOTES (cont*d)

- Brown, G G: Taylor, J G
 Numerical determination of the parity-condition
 parameter for lanchester-type equations of modern
 warfare
 Naval Postgraduate School, (NPS-557710), 1977. 23 p.
- Carey, B J; McCoy, E E
 Basic hardward interconnection mechanisms for building
 multiple microcomputer systems
 Naval Postgraduate School, (NPS52-79-005), Nov.,
 1979. 34 p.
- Kodres, U R: Buttinger, J D: Hamming, R W: Jones, C R A study of alternatives for VSTOL computer systems Sponsored by the Naval Weapons Center, China Lake, Calif. Naval Postgraduate School, (NPS-5278001), 1978. 250 p.
- Matula, D W
 Basic digit sets for radix representation
 Naval Postgraduate School, (NPS-5278002), 1978. 34
- Raetz, G M: Thorpe, L A
 Users manual for the vector general graphics display
 unit
 Naval Postgraduate School, (NPS-72Rr76031), 1976. 84
- Raetz, G M: Thorpe, L A
 Design manual for the vector general graphics display
 unit
 Na val Postgraduate School, (NPS-72Rr76032), 1976. 77
 p.
- Rcland, R J
 A decision support system model for technology transfer
 Naval Postgraduate School, (NPS52-79-002), Nov.,
 1979. 31 p.
- Schneidewind, N F: Howard, G T: Kirchgaessner, M Software error detection models, validation tests and program complexity measures
 Naval Postgraduate School, (NPS-52Ss76111), Nov., 1976. 154 p.
- Smith, D R
 On the computational complexity of branch and bound search strategies
 Naval Postgraduate School, (NPS 52-79-004), Nov., 1979. 109 p.

DEPARTMENT OF MATHEMATICS CONFERENCE PRESENTATIONS

CONTRACTOR OF THE PROPERTY OF

- Comstock, C
 Finite elements in wave propagation
 Calif. State, San Francisco, Calif., Oct., 1976.
- Ccmstock, C
 Finite elements in non-linear wave propagation problems
 AMS Regional Mtg., Portland, Ore., June, 1976.
- Comstock, C; Faulkner, F
 On the analysis of weather forecasting
 Soc. Ind. and Appl. Math., Milwaukee, Wis., June,
 1978.
- Franke, R H
 The use of iterative linear equation solvers with Gear's method
 SIAM Mtg., Atlanta, Ga., Oct. 20, 1976.
- Franke, R H
 Comparison of some local methods for interpolation of scattered data
 Soc. Ind. and Appl. Math., Spring Mtg., Madison, Wis., May, 1978.
- Franke, R H; Salinas, D
 An efficient method for solving stiff transient field problems arising from FEM formulations
 2nd Int. Conf. of Computational Methods in Nonlinear Mech., Austin, Tex., Mar. 26-30, 1979.
- Larson, H J; Barr, D R; Jayachandran, T Significance level interrelationships 10th Int. Bicmetrics Conf., Guaruja, Sao Paulo, Brazil, Aug. 6-10, 1979.
- Lindsay, G F: Jayachandran, T
 The use of scaling methods for multiple criteria in project assessment
 Joint Nat. ORSA/TIMS Mtg., Milwaukee, Wis., Oct. 15-19, 1979.
- Russak, I B
 Relations among the multipliers for problems with
 bounded state constraints
 Conf. on Decision and Control, Clearwater Beach,
 Fla., Dec., 1976.

1

11

DEFARTMENT OF MATHEMATICS CONFERENCE PRESENTATIONS

(cont'd)

- Wang, P C C
 Workshops on protection techniques and ice conditions in transit
 1st Int. Conf. on Iceberg Utilization, Iowa State
 Univ., Oct 2-6, 1977.
- Weir, M D
 Caluculus by PSI
 Calif. Math. Coun. Spring Conf., Cal-State Hayward,
 Hayward, Calif., Mar., 1977.
- Weir, M D
 Calculator calculus for the TI-59
 Calif. Math. Council Ann. Conf., Asilomar, Pacific Grove, Calif., Dec., 1978.
- Weir, M D
 Hewitt-Nachbin spaces
 California Folytechic Univ., Feb., 1978.
- Weir, M D
 Calculator caluculus for the TI-59 programmable
 calculator
 Calif. Math. Council Ann. Conf., Asilomar, Pacific
 Grove, Calif., Dec., 1979.
- Wilde, C C
 Three UMAP modules: Leontief models, contraction
 mappings, integral transforms
 Experiential Programs in Appl. Math., Claremont,
 Calif., May, 1979.
- Wilde, C C
 The undergraduate mathematics applications project
 Soc. for Ind. and Appl. Math. Fall 1977 Mtg.,
 Albuquerque, N. M., Nov. 1, 1977.

DEPARTMENT OF MATHEMATICS CONTRIBUTIONS TO BOOKS

- Wang, P C C; Stolfi, R H; Lake, G E
 A graphical representation of multivariate data: Soviet
 policy in Sub-Saharan Africa
 Symp. on Graphical Representation of Multivariate
 Data, Naval Postgraduate School, Monterey, Calif.,
 Feb. 24, 1978.
 IN P. C. C. Wang, ed.: Graphical representation
 of multivariate data. New York, Academic
 Press, 1978. 278 p.
- Wang, P C C
 Automated production, storage, retrieval and display of digitized engineering data. Vol. I
 Los Angeles, Calif., Western Periodicals, 1977. 367
 p.
- Wang, P C C
 Graphical representation of multivariate data:
 Proceedings
 Symp. on Graphical Representation of Multivariate
 Data, Naval Postgraduate School, Monterey, Calif.,
 Feb. 24, 1978. New York, Academic Press, 1978.
- Wang, P.C.: Lake, G
 Graphical multivariate data techniques in policy
 sciences
 Symp. on Graphical Representation of Multivariate
 Data, Naval Postgraduate School, Monterey, Calif.,
 Peb. 24, 1978.
 IN P. C. C. Wang, ed.: Graphical representation
 of multivariate data. New York, Academic
 Press, 1978. 278 p.
- Wang, P C C: Pounds, J: Wieland, B
 A modernization rlan for the technical data department
 of Naval Ships Weapon Systems Engineering Station
 IN P. C. C. Wang, ed: Automated production,
 storage, retrieval and display of digitized
 engineering data. Los Angeles, Calif., Western
 Periodicals, 1977, p. 30.
- Wang, P C C: Schoenstadt, A L: Russak, B I: Comstock, C Information linkage between applied mathematics and industry, (eds.), Proc. of the 1st Ann. Workshop on the Information Linkage between Appl. Math. and Industry, Naval Fostgraduate School, Monterey, Calif., Feb 23-24, 1978

 New York, N. Y., Academic Press, 1979. 688 p.

DEPARTMENT OF MATHEMATICS CONTRIBUTIONS TO BOOKS

(cont'd)

- Weir, M D
 Logic and set theory notes (rev. ed.)
 Naval Postgraduate School, July, 1978. 196 p.
- Weir, M D
 Self-study manual for calculus and analytic geometry
 Addison-Wesley, 1979. 441 p.
- Weir, M D
 An introduction to the TI-59 programmable calculator
 Navai Postgraduate School, July, 1979. 177 p.
- Wilde, C O: Barrett, E B
 Mathematics of image science
 Western Periodicals Co., Los Angeles, Calif., 1976.
- Wilde, C O; Barrett, E B
 Image science mathematics. Proceedings of the Symposium on Current Mathematical Problems in Image Science, Naval Postgraduate School, Nov. 10-12, 1976.
 Los Angeles, Calif., Western Periodicals Co., 1977.
 281 p.

DEPARTMENT OF MATHEMATICS JOUENAL PUBS & CONFERENCE PROCS

- Ccmstock, C: Dunne, P W
 Second-order equations with two point and integral boundary conditions
 J. Math. Anal. Appl., vol. 54, p. 558-562, (1976).
- Davis, D I
 A correct proof of Huang's t
 IEEE Trans. Acoustics, Speech, Signal Processing,
 vol. 24, p. 425-426, (1976).
- Franke, R H
 On the minimum number of points required by certain cubature formulas
 Bull. Calcutta Math. Soc., vol. 68, p. 175-178, (1976).
- Pranke, R H
 On the convergence of an algorithm for rational
 Chebyshev approximation
 Rocky Mt. J. Math., vol. 6, no. 2, p. 227-236,
 (1976).
- Franke, R H
 Locally determined smooth interpolation at irregularly spaced points in several variables
 Inst. Math. and its Applications, vol. 19, p. 471-482, (1977).
- Pranke, R H
 On the computation of optimal approximations in Sard corner spaces
 Soc. Ind. and Appl. Math., J. Numerical Analysis, vol. 15, no. 4, p. 791-800, (1978).
- Jayachandran, T A confidence interval for an interclass mean Nav. Res. Log. Q., vol. 24, no. 1, (1977).
- Jayachandran, T: Moore, L R
 A comparison of reliability growth models
 IEEE Trans. on Reliability, vol. R-25, no. 1, (1976).
- Russak, I B
 Relations among the multipliers for problems with
 bounded state constraints
 SIAM J. of Control and Optimization, vol. 14, no. 15,
 (1976).

DEPARTMENT OF MATHEMATICS JOURNAL PUBS & CCNFERENCE PROCS (cont'd)

- Russak, I B
 An indirect sufficiency proof for problems with bounded state variables
 Pacific J. Math., vol. 62, no. 1, p. 219-253, (1976).
- Russak, I B; Tan, S T
 Necessary conditions for problems with higher derivative bounded state variables
 J. Cptimization Theory and Applications, vol. 26, no. 4, p. 601-636, (Dec., 1978).
- Schoenstadt, A L
 The effect of discretization on the process of quostrophic adjustment
 IN Trans., Am. Geophys. Union, vol. 57, no. 12, p. 927, (1976).
- Schoenstadt, & L
 Closing session Digitized engineering data: A summary
 of the symposium and thoughts for the future
 IN P. C. C. Wang, ed.: The automated production,
 storage, retrieval and display of digitized
 engineering data, Western Periodicals Co.,
 1977, 373 p.
- Schoenstadt, A L
 Panel discussion on information handling
 IN P. C. C. Wang, ed.: The automated production,
 storage, retrieval and display of digitized
 engineering data, Western Periodicals Co.,
 1977, 373 p.
- Schoenstadt, A I
 The effect of spatial discretization on the steady-state and transient solutions of a dispersive wave equation
 J. Computational Phys., vol. 23, no. 4, p. 364-379, (1977).
- Schoenstadt, & I
 On one-dimensional geostrophic adjustment with finite differencing
 Hon. Weather Rev., vol. 107, no. 2, p. 211-214,
 (Feb., 1979).
- Schoenstadt, A L
 Geostrophic adjustment in finite element and fourth
 order finite difference models
 Am. Geophys. Union (AGU) Winter Mtg., San Francisco,
 Calif., Dec. 4-8, 1978.
 IN Trans. Am. Geophys. Union, vol. 59, no. 12, p.
 1081, (Dec., 1978).

DEPARTMENT OF MATHEMATICS

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Schoenstadt, A I; Williams, R T
 The computational stability properties of the Shuman pressure gradient averaging technique
 J. Computational Phys., vol. 21, no. 2, p. 166-177, (1976).
- Wang, P C C; Stolfi, R H; Fuhs, A E
 Applied mathematics and engineering in the transport of
 Antarctic ice resources
 1st Ann. Workshop on the Information Linkage Between
 Appl. Math. and Industry, Naval Postgraduate School,
 Monterey, Calif., Feb. 23-24, 1978.
 IN Information linkage between applied mathematics
 and industry. Academic Press, 1979, p.
 633-639.
- Weir, M D
 PSI in linear algebra at NPS
 Rocky Mt. Math. Consortium Conf. Innovative Teaching
 in College Math. Tucson, Ariz., Mar. 25-27, 1976.
 IN Proc., (1976).
- Weir, M D; Peckham, H D
 Introduction to the TI-59 programmable calculator
 Calculators and Computers Magazine, vol. 2, no. 6, p. 52-57, (1978).

DEPARTMENT OF MATHEMATICS TECHNICAL REPORTS AND NOTES

- Barr, D R: Larson, H J; Jayachandran, T; Miller, N
 Statistical procedures for certification of spectrometer
 laboratories in the joint oil analysis program
 Naval Postgraduate School, (NPS55-79-031PR), Dec.,
 1979. 91 p.
- Comstock, C
 A study of recent numerical methods for the barotropic primitive equations
 Naval Postgraduate School, (NPS-53Cs76014), 1976. 32 p.
- Comstock, C; Taylor, J G
 Force-annihilation conditions for variable-coefficient
 Lanchester-type equations of modern warfare, I:
 Mathematical theory
 Naval Postgraduate School, (NPS-55Tw76081), 1976. 35
- Davis, D I
 The coefficient space approach to the stability of
 multi-dimensional digital filters
 Naval Postgraduate School, (NPS-53Dv76081), 1976. 16
 p.
- Franke, R H
 On the computation of optimal approximations in Sard
 corner spaces
 Naval Postgraduate School, (NPS-53Fe76121), 1976. 22
 p.
- Franke, R H
 A program for the numerical solution of large sparse systems of algebraic and implicitly defined stiff differential equations
 Naval Postgraduate School, (NPS-53Fe76051), 1976. 51 p.
- Franke, R H
 Reproducing kernel functions for the Sard corner spaces
 B (p,q)
 Sponsored by the Foundation Res. Program. Naval
 Postgraduate School, (NPS-5378001), 1978. 8 p.
- Franke, R H
 Smooth surface approximation by a local method of interpolation at scattered points
 Sponsored by the Foundation Res. Program. Naval Postgraduate School, (NPS-5378002), 1978. 55 p.

THE STATE OF

11

DEFARTMENT OF MATHEMATICS TECHNICAL REPORTS AND NOTES

(cont'd)

- Franke, R H
 A critical comparison of some methods for interpolation of scattered data
 Final Rep. for period Jan. Mar., 1979. Naval
 Postgraduate School, (NPS-53-79-003), Dec., 1979.
 378 p.
- Franke, R H; Bell, E L A numerical comparison of Toeplitz equation solving algorithms Naval Postgraduate School, (NPS-53Fe76041), 1976. 11 p.
- Franke, R H: Nielson, G
 Smooth interpolation of large sets of scattered data
 Naval Postgraduate School, (NPS-53-79-005), Mar.,
 1979. 36 p.
- Franke, R H: Salinas, D
 An efficient method for solving stiff transient field problems arising from PEM formulations
 Naval Postgraduate School, (NPS-53-79-002), Mar.,
 1979. 18 p.
- Franke, R H; Salinas, D; Nguyen, D H
 An optimum compact storage scheme for nonlinear reactor
 problems by FEH
 Naval Postgraduate School, (NPS-69Zc76111), 1976.
- Russak, I B
 Necessary conditions for problems with higher derivative bounded state variables
 Naval Postgraduate School, (NPS-53Ru77061), June, 1977. 45 p.
- Russak, I B
 On general probelms with higher order state constraints
 Naval Postgraduate School, (NPS-53-Ru77101), 1977.
 34 p.
- Russak, I B
 Convergence of the conjugate Gram Schmidt method
 Naval Postgraduate School, (NPS53-79-004), Sept.,
 1979. 13 p.
- Russak, I B
 Concerning the BCM and other simulation programs
 Naval Postgraduate School, (NPS-53Ru76091), 1976. 47

DEPARIMENT OF MATHEMATICS TECHNICAL REPORTS AND NOTES

(cont'd)

- Schoenstadt, A L
 The influence of data order on the Lieberman-Ross method
 Naval Postgraduate School, (NPS-53Zh76047), 1976. 42
 p.
- Schoenstadt, A I
 Limit cycles in a damped and biased relay system
 Naval Postgraduate School, (NPS-53Zh76081), 1976. 40
 p.
- Schoenstadt, A L
 The effect of spatial discretization on the steady-state
 and transient sclutions of a dispersive wave equation
 Naval Postgraduate School, (NPS-53Zh76036), 1976. 34
 p.
- Schoenstadt, A L
 A comparison of the Lieberman-Ross and Mann-Grubbs
 methods
 Naval Postgraduate School, (NPS-53Zh76091), 1976. 20
 p.
- Schoenstadt, A L
 On one dimensional geostrophic adjustment with finite differencing
 Naval Postgraduate School, (NPS-53Zh77041), Apr.,
 1977. 20 p.
- Schoenstadt, A L
 A transfer function analysis of numerical schemes used to simulate geostrophic adjustment
 Naval Postgraduate School, (NPS-53-79-001), Nov.,
 1978. 47 p.
- Schoenstadt, A L
 A transfer function analysis of numerical schemes used to simulate geostrophic adjustment
 Naval Postgraduate School, (NPS-53-79-001), Nov.,
 1979. 44 p.
- Wang, P C C: Kelly, J B
 PRC: An analysis of the PRC Navy force strengths and capabilities with a projection of this force through 1987 (U)
 Spensored by the Naval Intelligence Command. Naval Postgraduate School, (NPS-53W977032), 1977.

DEPARTMENT OF MATHEMATICS TECHNICAL REPORTS AND NOTES

(cont'd)

- Wang, P C C; Stolfi, R H
 A general methodology for forecasting Soviet Naval
 technological threat (U)
 Sponsored by the Naval Intelligence Command. Naval
 Postgraduate School, (NPS-53Wg77062), 1977. 250 p.
- Wang, P C C; Stolfi, R H
 An analyst's guide to technological threat forecasting
 (U)
 Sponsored by the Naval Intelligence Command. Naval
 Postgraduate School, (NPS-53Wg771101), 1978. 346 p.
- Wang, P C C; Stolfi, R H; Montana, R T; Smith, J R A systematic analysis of Soviet shipboard ASW helicopters past, present and future (U) Sponsored by the Naval Intelligence Command. Naval Postgraduate School, (NPS-53Wg77031), 1977.
- Wang, P C C; Stolfi, R H; Nelson, G S
 Future Soviet ASW sonar systems for surface combatants
 (U)
 Sponsored by the Naval Intelligence Command. Naval
 Postgraduate School, (NPS-53Wg7734), 1977.
- Wang, P C C; Stolfi, R H; Lake, G E
 A graphical representation of multivariate data: Soviet
 policy in Sub-Saharan Africa
 Sponsored by the Naval Intelligence Command. Naval
 Postgraduate School, (NPS-53Wg77061), 1977. 46 p.
- Wang, P. C.; Stolfi, R. H; Hamilton, S. H; Kaufhold, F. Soviet wing-in-ground effect vehicles: Their development, use and future characteristics (U) Sponsored by the Naval Intelligence Command. Naval Postgraduate School, (NPS-53Wg77051), 1977.
- Wang, P C C: Long, S T; Stolfi, R H
 An outsider's view of the Phcenix/AWG-9 weapon system
 Sponsored by the Naval Intelligence Command. Naval
 Postgraduate School, (NPS-53Wg77033), 1977.
- Wilde, C O
 The contraction mapping principle
 The Undergraduate Math. Applications Project Module
 Series, (Unit 326), Dec., 1978. 29 p.

ŧ

DEPARTMENT OF ADMINISTRATIVE SCIENCES CCNFERENCE PRESENTATIONS

- Arima, J K
 Objective indices of recruiter effectiveness
 84th Ann. Convention of the Am. Psychological Assoc.,
 Washington, D. C., Sept. 3-7, 1976.
- Arima, J K
 Successes and trends
 40th Military Oper. Res. Symp., Naval Postgraduate
 School, Mcnterey, Calif., Dec. 13-15, 1977.
- Arima, J K
 Navy ships as open systems: Perspectives in
 multiorganizational research
 85th Ann. Convention of the Am. Psychological Assoc.,
 San Francisco, Calif., Aug. 26-30, 1977.
- Arima, J K
 Navy recruiting advertising--yes, it works--some
 86th Ann. Convention of the Am. Psychological Assoc.,
 Montreal, Canada, Aug. 28-Sept. 1, 1978.
- Arima, J K
 A culture—free performance test of learning aptitude
 1978 Ann. Mtg. of the Western Psychological Assoc.,
 San Francisco, Calif., Apr. 19-22, 1978.
- Arima, J K: Janowitz, M
 Organizational development in the military services
 84th Ann. Convention of the Am. Psychological Assoc.,
 Washington, D. C., Sept. 3-7, 1976.
- Boger, D C: Harris, E G
 Economic analysis of railroad branch line viability: An application of response surface methods in a simulation model
 The Inst. of Manage. Sciences 24th Int. Mtg., Honolulu, HI, June 19, 1979.
- Ein-Dor, P: Segev, E
 A framework for theories of management information systems
 The Inst. of Manage. Sciences 24th Int. Mtg., Honolulu, HI, June 18-22, 1979.
- Eoyang, C K
 Organization design: A Maoist perspective
 Presented at the Ann. Mtg. of the Inst. of Manage.
 Sci., San Francisco, Calif., May 8, 1977.

DEPARTMENT OF ADMINISTRATIVE SCIENCES CCNFERENCE PRESENTATIONS (cont'd)

- Eoyang, C K
 Organizational values: Congruence or conflict?
 The Inst. for Manage. Sci. 24th Int. Mtg., Honolulu,
 HI, June 20-23, 1979.
- Eoyang, C K
 An information processing view of symbolism
 Organizational Symbolism, Univ. of Illinois, Apr.
 4-6, 1979.
- Evered, R: Louis, E R
 Organizational inquiry from the outside or inside: Two
 epistemological perspectives
 Academy of Manage. Conf., Atlanta, Ga., Aug., 1979.
- Fremgen, J M
 Measurement issues in the FASB's conceptual framework
 for accounting and reporting
 Presented at the 1977 Ann. Int. Conf. of Nat. Assoc.
 of Accountants, Chicago, Ill., June 20-22, 1977.
- Fremgen, J M
 The conceptual framework for financial accounting and reporting
 Mon. Technical Mtg. of Salinas Valley-Monterey
 Peninsula Ch. cf Nat. Assoc. of Accountants, Salinas, Calif., May 16, 1978.
- Fremgen, J M
 Fixed tudgets in a flexible world: The dilemma of government management
 Western Regional Mtg. of Am. Accounting Assoc.,
 Pasadena, Calif., May 5, 1978.
- Haga, W J
 Return to structure?
 Inst. of Manage. Sci. Ann. Mtg., San Francisco,
 Calif., May, 1977.
- Kline, M B
 Naval Postgraduate School educational programs and their
 potential application to ATE education
 Automatic Test Equipment Conf. and Workshop, San
 Diego, Calif., Apr. 12-15, 1976.
- Kline, M B
 A critique of the requirements determination process
 EIA Des./Support Effectiveness Seminar, Los Angeles,
 Calif., Sept. 30, 1976.

DEPARTMENT OF ADMINISTRATIVE SCIENCES CCNFERENCE PRESENTATIONS (cont d)

- Kline, M E
 Recent changes in defense system acquisition
 Presented at the Santa Clara Ch., Soc. of Logistics
 Engrs., Sunnyvale, Calif., Jan. 10, 1977.
- Kline, M B
 Maintainability considerations
 IEEE Reliability Seminar, Stanford Univ., Palo Alto,
 Calif., Jan. 15, 1977.
- Kline, M B
 Software maintainability
 Seminar on Scftware Reliability and Maintainability,
 Telub AB, Vaxjo, Sweden, June 9, 1978.
- Kline, M B
 Maintainability considerations in system design
 Seminar on Reliability and Maintainability of Nucl.
 Power Systems, R. Inst. of Technol., Stockholm,
 Sweden, June 13-14, 1978.
- Lamm, D V
 1979 acquisition and contracting policies
 Nat. Contract Manage. Assoc., Golden Gate Ch. Mtg.,
 Oakland, Calif., Apr. 24, 1979.
- Lamm, D V
 Delay and disruption in Navy acquisition programs
 Managing Uncertainty in the Acquisition of Major
 Projects, Univ. of Southern California, Los Angeles,
 Calif., Feb. 13-14, 1979.
- Liao, S S
 The effect of the separation of cwnership from control:
 A synthesis
 1979 Western Econ. Assoc. Ann. Mtg., Las Vegas, Nev.,
 June, 1979.
- Louis, M R
 People in organizations: Toward an integrated model of
 motiviation
 Western Academy of Manage. Conf., Sun Valley, Idaho,
 Mar., 1977.
- Louis, M R
 A framework for redesigning organizational entry
 practices
 ORSA/TIMS Conf., Los Angeles, Calif., Nov., 1978.

DEPARTMENT OF ADMINISTRATIVE SCIENCES CCNFERENCE PRESENTATIONS (cont'd)

- Paringer, L: Mushkin, S; Chen, M An initial assessment of impacts on health expenditures Atlantic Eccn. Conf., Oct. 14-15, 1976.
- Senger, J D
 Psychological correlates of Naval officer promotion patterns
 5th MORS, Ft. Bliss, Tex., June 22-24, 1976.
- Senger, J D
 Sailors' age related perceptions of supervisory and peer leadership
 86th Ann. Am. Psychological Assoc. Convention,
 Toronto, Canada, Aug. 31, 1978.
- Weitzman, R A
 Superiority of fit
 Psychometric Soc. Mtg. at the Univ. of North
 Carolina, June, 1977.
- Weitzman, R A
 True-score estimation of cell frequencies in pattern
 analysis
 Am. Psychological Assoc., San Francisco, Calif.,
 Aug., 1977.
- Weitzman, R A
 Test bias: One of those partial correlations is the
 answer
 Ann. Convention of the Am. Psychological Assoc.,
 Toronto, Canada, Aug., 1978.
- Weitzman, R A
 Reduction of shrinkage in pattern analysis
 Ann. Mtg. of the Psychometric Soc., McMaster Univ.,
 Hamilton, Ontario, Canada, Aug., 1978.
- Weitzman, R A
 The problem of overprediction
 1979 Ann. Mtg. of the Psychometric Soc., Naval
 Postgraduate School, Monterey, Calif., June, 1979.
- Whipple, D R
 Development of management incentives to accompany capitation budgeting in the U. S. military health care delivery system
 10th Ann. Health Sys. Res. Symp., Miami, Fla., Nov., 1976.

1

DEPARTMENT OF ADMINISTRATIVE SCIENCES CCNFERENCE PRESENTATIONS (cont'd)

- Whipple, D R; Block, M and others
 Some determinants of physician migration to the United
 States
 Western Econ. Assoc. Mtgs., San Francisco, Calif.,
 June, 1976.
- Wright, C A
 The prevention of racial incidents/training accidents:
 Some realities and salient factors that contribute to
 causation
 Special presentation to Staff officers and Junior
 officers, Senior and Junior NCOs of the Human
 Relations Section of the 1st Marine Div. U.S.
 Marine Corps Ease, Camp Pendleton, Calif., Nov.
 15-17, 1977.
- Wright, C A

 Hilitary human resources management problems in the post
 Vietnam era: Forces creating the vacuum conductive to
 unionization—scme proposed countermeasures
 Presented at the 39th Hilitary Oper. Res. Symp., U.
 S. Naval Academy, Annapolis, Md., June 28-30, 1977.
- Wright, C A

 Human resource management problems and military organizations in the Vietnam and post war era

 Special Presentation to Staff officers and Junior officers, Senicr and Junior NCOs of the Human Relations Section of the 1st Marine Div. Conf. and Human Resources Probe requested by LGE.

£ ;

DEPARTMENT OF ADMINISTRATIVE SCIENCES CONTRIBUTIONS TO BOOKS

- Bobulinski, R A
 Non appropriated funds and the comptroller
 IN E. A. Fincke: Practical comptrollership
 course (2nd ed.). Naval Postgraduate School,
 Dec., 1979.
- Ein-Dor, P: Segev, E.
 Managing management information systems
 D. C. Heath and Co., 1978. 192 p.
- Fincke, E A
 Practical comptrollership course, (2d ed.)
 Naval Postgraduate School, Dec., 1979. 525 p.
- Fremgen, J M
 Accounting for managerial analysis (3d ed.)
 R. D. Irwin, 1976. 546 p.
- Fremgen, J M
 Structure and content of cost reports
 IN J. M. Fremgen and M. V. Alonzo, eds.: The
 cost accountant's handbook, published by R. D.
 Irwin, 1979.
- Fremgen, J M; Alonzo, M V
 Structure and content of cost reports (Ch. 19)
 IN H. A. Black and J. D. Edwards, eds.: The
 managerial and cost accountant's handbook, Dow
 Jones-Irwin, 1979, p. 502-524.
- Harris, R T
 Proceeding 1979: Military Human Resource Management
 Symposium
 Naval Postgraduate School, 1979. 149 p.
- Jolly, J A: Creighton, J W: George, P A
 Techology transfer process model and annotated selected
 bibliography
 Sacramento, Calif., California State Univ., 1978. 72
 p.
- Jolly, J A; Creighton, J W; Moore, B M
 Techology transfer in science, technology and public policy
 Sacramento, Calif., California State Univ., 1978.
 102 p.

"

DEPARTMENT OF ADMINISTRATIVE SCIENCES
CONTRIBUTIONS TO BOOKS (cont'd)

- Kline, M B
 Conceptual phase planning for logistic support: The impact of OMB Circular A-109
 Nat. Defense Univ., 1979.
- Kline, M B
 Maintainability engineering theory and practice
 engineering design handbook
 Army Mater. Command, (AMPC 706-133), 1976. 450 p.
- Schneidewind, N F
 The use of simulation in the evaluation of software
 IN Edward F. Miller, Jr., ed.: Tutorial Program testing techniques, IEFE Computer Soc.,
 Nov. 8-11, 1977.
- Schneidewind, N F
 The applicability of hardware reliability principles to computer software
 IN J. D. Cooper and M. J. Fisher, eds.: Software quality management, Petrocelli Books, 1979, p. 171-181.
- Senger, J D

 Managers' perceptions of subordinates' competence as a function of personal values orientation

 IN Dennis Crgan, ed.: The applied psychology of work behavior: A book of readings. Business Publications, 1978, p. 61-70.

DEPARTMENT OF ADMINISTRATIVE SCIENCES JOURNAL PUBS & CCNFERENCE PROCS

- Arima, J K
 Objective indices of recruiter effectiveness
 Am. Psychol. Assoc., Washington, D. C., Sept. 7-10,
 1976.
 IN Proc.
- Arima, J K
 Measuring the fit between person and equipment
 Western Psychol. Assoc., Los Angeles, Calif., Apr.
 8-11, 1976.
 IN Proc.
- Arima, J K
 Measuring recruiter effectiveness
 38th Military Oper. Res. Symp., Ft. Eustis, Va., Dec.
 7-9, 1976.
 IN Proc.
- Arima, J K
 Systems analysis of Navy recruiting
 JSAS Catalog of Selected Documents in Psychol., vol.
 7, p. 59, (Ms. 1504), (1977).
- Arima, J K
 A culture-free performance test of learning aptitude
 19th Ann. Conf. of the Military Testing Assoc., San
 Antonio, Tex., Oct. 17-21, 1971.
 IN Proc., Military Testing Assoc., (1978).
- Arima, J K
 Educational and training opportunities as incentives for military service
 JSAS Catalog of Selected Documents in Psychol., vol. 6, 1978.
- Arima, J K
 Marketing the all-volunteer force
 Joint Nat. Stg. TIMS/ORSA, New Orleans, La., Apr. 30-May 2, 1979.
 IN Proc., (1979).
- Arima, J K
 What is military psychology?
 87th Ann. Convention of the Am. Psychological Assoc.,
 Toronto, Canada, Aug. 31-Sept. 5, 1979.
 IN Proc., (1979).

DEPARTMENT OF ADMINISTRATIVE SCIENCES

JOUENAL PUBS & CONFERENCE PROCS (cont'd)

- Arima, J K; Janowitz, M Organizational development in the military services IN Inter-Univ. Seminar Armed Forces and Soc., Washington, D. C., Sept. 6, 1976.
- Bobulinski, R A
 Financial Management Symposium for Service Schools
 Navy Supply Corps Newsletter, 4 p., (Nov., 1979).
- Bobulinski, R A: Wilkes, S; Rhodes, W D
 NAF Sigurella where the action is
 Navy Supply Corps Newsletter, 10 p., (May, 1979).
- Butler, P N
 The tap code: Ascribed meanings in prisoner of war communications
 Urban Life, vcl. 5, no. 4, p. 399-415, (Jan., 1977).
- Butler, P N
 Interviewing? Try it, you'll like it!
 Navy Human Resource Manage. J., p. 13-15, (Spring, 1979).
- Butler, P N
 Building a "neat" workshop
 Navy Human Resource Manage. J., p. 14, (Summer, 1979).
- Creighton, J W: Jclly, J A
 Technology transfer and utilization
 Technol. Transfer Workshop, Tucson, Ariz., Feb.
 13-15, 1979.
 IN Highlights Technol. Transfer Workshop, United
 States Department of Agriculture Forest
 Service, 1979. 12 p.
- Eoyang, C K
 Requisite variety in organizations
 22nd Ann. North Am. Mtg. of the Soc. for General
 Systems Res., Washington, D. C., Feb. 13-15, 1978.
 IN Avoiding social catastrophies and maximizing
 social opportunities: The general systems
 challenge, Soc. General Systems Res., 1978.
- Ein-Dor, P; Segev, E Strategic planning for management information systems Manage. Sci., vol. 24, no. 15, p. 1631-1641, (Nov., 1978).

DEPARTMENT OF ADMINISTRATIVE SCIENCES

JOUENAL PUBS & CONFERENCE PROCS (cont d)

- Elster, R S
 Relevant military research on productivity and
 motivation
 Military Productivity and Work Motivation, New York,
 N. Y., Apr. 10, 1978.
 IN Proc., Navy Personnel Res. and Develop. Center,
 p. 93, (1978).
- Elster, R S
 Summary of the conference
 Marine Corps and Navy Man and Woman-Power:
 Requirements and Considerations, Leesburg, Va., Mar.
 7, 1978.
 IN Proc., Washington, D. C., Smithsonian Inst., p.
 16, (1978).
- Eoyang, C K; Haga, W J
 Old wine in new bottles
 Behavior Sci., vol. 22, no. 1, (1977).
- Fremgen, J M
 Pixed tudgets in a flexible world: The dilemma of government management
 The Government Accountants J., (Summer, 1978).
- George, P A: Jolly, J A: Creighton, J W
 The linkers contribution to technology transfer
 J. Technol. Transfer, vcl. 3, no. 1, 10 p., (Fall, 1978).
- Haga, W J
 Managerial professionalism and the use of organizational resources
 Am. J. Econ. and Sociology, vol. 35, no. 4, p. 337-348, (Oct., 1976).
- Haqa, W J One sociologist's reply to Wieland's review essay Acad. Manage. Rev., (1976).
- Haqa, W J; Burns, D C
 Accounting professional: A second look
 Accounting Rev., vol 52, no. 3, p. 705-715, (July, 1977).
- Haga, W J; Dansereau, F; Graen, G; Cashman, J
 Organizational understructure and leadership: A
 longitudinal investigation of managerial role-making
 process
 Organizational Behavior and Human Performance, vol.
 15, no. 2, p. 278-296, (Apr., 1976).

DEPARTMENT OF ADMINISTRATIVE SCIENCES

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Haga, W J; Eoyang, C K
 Robert Toronto: Old wine into new bottles
 Behavioral Sci., vol. 22, no. 1, p. 53-55, (Jan., 1977).
- Jolly, J A; Creighton, J W
 The technology transfer process: Concepts, framework and methodology
 J. Technol. Transfer, vol. 1, no. 2, (1978).
- Judson, R R
 Acquisition research
 Nav. Res. Revs., vol. 29, no. 2, p. 14-16, (1976).
- Kline, M B
 Maintainability consideration in system design
 Ann. Reliability Eng. Conf. for the Electric Power
 Industry, Montreal, Canada, Sept. 23-24, 1976.
 IN Proc., p. 68-78, (1976).
- Kline, M B
 A critical appraisal of the requirements determination process
 Naval Aviation Executive Inst. Tactical Missile Colloquium, Naval Postgraduate School, Apr. 25-30, 1976.
 IN Proc., (1976).
- Kline, M P
 Logistic support planning
 Today's Logistics: Spares Provisioning--Problems and
 Solutions, Rome, Italy, May 22-24, 1978.
 IN Proc., Soc. of Log. Engrs. and Selenia, Rome,
 Italy, p. 14-33, (1978).
- Kline, M B
 Conceptual phase planning for logistic support: The impact of OMB Circular A-109
 Ann. Int. Log. Symp., St. Louis, Mo., Aug. 22-24, 1978.

 IN Proc., Soc. of Log. Engrs., p. 4-1 to 4-19, (1978).
- Kline, M B
 Systems engineering
 Engrs., J. Union of Japanese Scientists and Engrs.,
 (Sept., 1979).

-

DEPARTMENT OF ADMINISTRATIVE SCIENCES

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Kline, M B
 Logistic support and maintainability considerations in system design: A systems engineering approach
 2nd Nat. Reliability Conf., Birmingham, England, Mar.
 28-30, 1979.
 IN Proc., (2 vol.), The Chameleon Press, Ltd., Wandsworth, England, p. 6A/5/1-17, (Mar., 1979).
- Kline, M B; Almog, R
 Application of the lognormal distribution to corrective
 maintenance downtimes
 NATC/AGARD Conf. on Avionics Reliability, Its
 Techniques and Disciplines, Ankara, Turkey, Apr.
 9-13, 1979.
 IN Proc., no. 261, NATO/AGARD, Neuilly Sur Seine,
 France, p. 28-1 to 28-14, (Apr., 1979).
- Kline, M B: Masten, R L: Di Pasquale, J: Hamilton, T A An analysis of the evolution of the reliability and maintainability disciplines
 Int. Conf. on Reliability and Maintainability, Paris, France, June 19-23, 1978.
 IN Proc., Centre Nat. d'Etudes des Telecommunications, Bagneux, France, p. xxi-xxxi, (1978).
- Kline, M E: Masten, R L: DiPasquale, J: Hamilton, T A
 An analysis of the evolution of the reliability and
 maintainability disciplines
 NATC/AGARD Conf. on Avionics Reliability, Its
 Techniques and Disciplines, Ankara, Turkey, Apr.
 9-13, 1979.
 IN Proc., no. 261, NATO/AGARD, Neuilly Sur Seine,
 France, p. 1-1 to 1-24, (Apr., 1979).
- Liao, S S
 Rélevance, level of analysis, and behavioral studies on financial reporting
 Am. Accounting Assoc. Southwest Regional Mtg., New Orleans, La., Mar. 23-26, 1977.
 IN Proc., p. 67-80, (1977).
- Liao, S S
 Where Skinner's theories work in professional education Am. Accounting Assoc. Southwest Regional Mtg., New Orleans, La., Mar. 23-26, 1977.
 IN Proc., p. 141-147, (1977).

- 46-4

DEPARTMENT OF ADMINISTRATIVE SCIENCES

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Liao, S S
 Learner-directed instruction: Additional evidences
 The Accounting Rev., vol. 53, no. 1, p. 155-161,
 (Jan., 1978).
- Liao, S S
 The elusive concepts of relevance and materiality
 Am. Accounting Assoc. Southeast Regional Mtg., Miami
 Beach, Fla., May, 1979.
 IN Proc., Florida Int. Univ., (May, 1979).
- Louis, M R
 How individuals conceptualize conflict: Identification of steps in the process and the role of personal/developmental factors
 Human Relations, vol. 30, no. 5, p. 451-467, (1977).
- Lyons, N R
 Systems design education: A gaming approach
 Communications of the Assoc. for Computing Machine.,
 (Nov., 1978).
- Lyons, N R
 Segregation of functions in EFTS
 J. Accountancy, (Oct., 1978).
- Lyons, N E: Maxson, E C
 Designing the next generation of auditing software
 The Internal Auditor, (Nov./Dec., 1978).
- Schneidewind, N F
 Modularity considerations in the design of real time operating systems
 IEEE Computer Society's 1st Int. Computer Software and Applications Conf., Chicago, Ill., Nov. 8-11, 1977.
 IN Proc., IEEE Computer Soc., p. 397-403, (1977).
- Schneidewind, N F
 The applicability of hardware reliability principles to computer software
 Software Quality Manage. Conf., Washington, D. C., Sept. 11-13, 1978.
- Schneidewind, N F
 Comparison of software error simulation and real program
 results
 Joint Nat. ORSA/TIMS Mtg., New York, N. Y., May 1-3,
 1978.

- Commerce

DEPARTMENT OF ADMINISTRATIVE SCIENCES

JOUENAL PUBS & CONFERENCE PROCS (cont d)

- Schneidewind, N F
 Emulation: Tool for software development
 1978 Nat. Computer Conf., Anaheim, Calif., June,
 1978.
 IN Proc., Am. Federation of Information Processing
 Societies, p. 367-372, (1978).
- Schneidewind, N F
 Software engineering of the micro/mini computer subnet in computer networks
 IEEE Computer Society's 2nd Int. Computers Software and Applications Conf., Chicago, Ill., Nov. 13-16, 1978.
 IN Proc., IEEE Computer Soc., p. 508-513, (1978).
- Schneidewind, N F
 Validation tests of a software error detection
 prediction model
 TIMS 24th Int. Mtg., Honolulu, HI, June, 1979.
 IN Proc., (1979).
- Schneidewind, N F
 The application of program graphs and complexity
 analysis to software development and testing
 IEEE Trans. on Reliability, vol. R-28, no. 3, p.
 192-198, (Aug., 1979).
- Schneidewind, N F
 Software metrics for aiding program development and debugging
 Am. Federation of Information Processing Soc. Nat.
 Computer Conf., New York City, N. Y., June 5, 1979.
 IN Proc., vol. 48, p. 989-994, (1979).
- Schneidewind, N F: Hoffmann, H M
 An experiment in software error data collection and
 analysis
 6th Texas Conf. on Computing Systems, Univ. of Texas,
 Austin, Tex., Nov., 1977.
 IN Proc., IEEE Computer Soc., p. 4A1-4A12, (1977).
- Schneidewind, N F; Hoffmann, H M
 Software error data collection and analysis
 1978 Summer Computer Simulation Conf., Newport,
 Beach, Calif., July 24-26, 1978.
 IN Proc., Am. Federation of Information Processing
 Societies Press, p. 748-753, (1978).

DEPARTMENT OF ADMINISTRATIVE SCIENCES

JOURNAL PUBS & CCNFERENCE PROCS (cont'd)

- Schneidewind, N F: Hoffmann, H M
 An experiment in software error data collection and analysis
 IEEE Trans. cn Software Eng., vol. SE-5, no. 3, p. 276-286, (May, 1979).
- Skierkowski, W H
 Development of a standard automated budget system for the operations accounts of the Marine Corps
 Armed Forces Comptroller, 4 p., (Nov., 1978).
- Skierkowski, W H
 How a FMF commander manages money
 Marine Corps Gazette, 5 p., (Sept., 1979).
- Weitzman, R A
 A sequential test of weak inequalities: The prediction of presidents
 Am. Stat. Assoc. Conf., San Diego, Calif., Aug.,
 1978.
 IN Proc. of the Section on Survey Res. Methods, p.
 729-733, (1978).
- Weitzman, R A
 Use of multidimensional scaling and hierarchical cluster
 analysis to aggregate jobs within an organization
 ORSA/TIMS Joint Nat. Mtg., Milwaukee, Wis., Oct.,
 1979.
 IN ORSA/TIMS Bull., no. 8, (Oct. 15-17, 1979).
- Whipple, D.R: Block, M. Controlling hospital costs: An index approach Inquiry, vol. 13, no. 1, p. 97-99, (1976).
- Whipple, C R: Terasawa, K
 Optimal replacement: An extension to consumer durables
 Econ. Studies C., vol. 27, p. 34-45, (1976).
- Whipple, D R: Terasawa, K On pricing publicly provided goods Public Finance, (1978).

DEPARIMENT OF ADMINISTRATIVE SCIENCES IECHNICAL REPORTS AND NOTES

- Arima, J K
 A systems analysis of Navy recruiting
 Navy Personnel Res. Develop. Center, (Spec. Rep. 76-9), 1976.
- Arima, J K
 The incentive potential of the Navy campus for achievement in recruiting Naval Postgraduate School, (Unnumbered Rep.), 1976.
- Arima, J K
 Advertising budgets, advertising effectiveness, and the Navy's recruiting advertising program
 Sponsored by the Navy Personnel Res. and Develop.
 Center. Naval Postgraduate School, (NPS54-78-009), Dec., 1978. 74 p.
- Arima, J K
 A culture-free performance test of learning aptitude
 Naval Postgraduate School, (NPS-54782), 1978. 33 p.
- Arima, J K
 Educational and training opportunities as incentives for military service
 Sponsored by the Navy Personnel Res. and Develop. Center. Naval Postgraduate School, (NPS-54783), 1978. 30 p.
- Arima, J K
 Determinants and a measure of Navy recruiter
 effectiveness
 Navy Personnel Res. and Develop. Center, San Diego,
 Calif., (NPRDC TR 78-21), 1978. 79 p.
- Arima, J K
 Advertising budgets, advertising effectiveness, and the
 Navy's recruiting advertising program
 JSAS Catalog of Selected Documents in Psychology,
 Nov., 1979. 74 p.
- Arima, J K: Neil, D E
 Skill deterioration and its management
 Sponsored by the Program Planning Office, Office of
 the Chief of Naval Oper., Dept. of the Navy. Naval
 Postgraduate School, (NPS-55787), 1978. 70 p.
- Burt, D N
 A framework for evaluating foreign developed defense systems for acquisition by the US DOD Naval Postgraduate School, (NPS54Db-79-011), Oct., 1979. 50 p.

DEFARTMENT OF ADMINISTRATIVE SCIENCES IECHNICAL REPORTS AND NOTES (cont'd)

- Derr, C B
 OD won't work in schools
 Organization Development in Schools: A Report Card
 (1976).
- Derr, C B
 A theory and research instruments for studying U.S.
 Naval cfficer careers
 Na val Postgraduate School, (NFS-547701), 1977. 38 p.
- Derr, C B
 More on career anchor concepts: The case of U. S. naval
 officers
 Sponsored by the Chief of Naval Res., Arlington, Va.
 Naval Postgraduate School, (NFS54-79-007), Sept.,
 1979. 65 p.
- Derr, C B
 Marriage/family issues and wife styles across naval
 officer career stages: Their implications for career
 success
 Naval Postgraduate School, (NFS54-79-003), July,
 1979. 37 p.
- Derr, C B
 Career switching and career strategies among U. S. Naval
 Officers
 Naval Postgraduate School, (NPS54-79-004), July,
 1979. 23 p.
- Ecyang, C K
 Multi-organizational research in the Navy: Future
 directions
 Naval Postgraduate School, (HRM working paper series,
 no. 4), 1977. 12 p.
- Eoyang, C K
 Military personnel research: Science or politics
 Naval Postgraduate School, (HRM working paper
 series), Oct., 1977. 18 p.
- Eoyang, C K
 Qualitiative intervention assessment: A conceptual heuristic for OD choice
 Human Resource Manage. Res. Program, Naval
 Postgraduate School, (HRM working paper series),
 1979. 28 p.

DEPARTMENT OF ADMINISTRATIVE SCIENCES
TECHNICAL REPORTS AND NOTES (cont d)

- Eoyang, C K
 Beyond the bounds of rationality
 Sponsored by the Office of Naval Res. Naval
 Postgraduate School, (NPS-54-79-010), Sept., 1979.
 10 p.
- Forbes, R L
 Organization development: An analysis of the U.S. Navy
 experience
 Sponsored by the Human Resource Manage. Res. Program,
 Department of Administrative Sciences. Naval
 Postgraduate School, (Working paper series), 1978.
- Forbes, R L
 From Machiavelli to Ringer: A proposed typology of social power
 Sponsored by the Human Resource Manage. Res. Program, Department of Administrative Sciences. Naval Postgraduate School, (Working paper series), 1978.
- Giauque, W C
 A multiattribute approach to measure quality of health care
 Na val Postgraduate School, (NPS-55Gi76031), 1976. 21
 p.
- Giauque, W C: Derr, C B; Eoyang, C K; Harris, R T
 Studies of the effectiveness of paramedical personnel
 usage in medical care delivery
 Naval Postgraduate School, (NPS-54781), 1977. 160 p.
- Giauque, W C: Kline, M B
 Ammunition development for 8" major caliber lightweight
 qun
 Naval Postgraduate School, (NPS-54Gi77041), 1977. 25
 p.
- Grubbstrom, R W
 Extensions of a dynamic stock portfolio model with respect to Swedish tax legislation
 Naval Postgraduate School, (NPS54-79-001), June, 1979. 26 p.
- Jolly, J A: Creighton, J W: Montanarelli, N
 1977 Technology transfer directory of people
 Nat. Sci. Foundation, (NSF-1SF-76-08929), 1976.

DEPARTMENT OF ADMINISTRATIVE SCIENCES TECHNICAL REPORTS AND NOTES (cont'd)

- Jolly, J A; Creighton, J W; Moore, B M
 Technology transfer in science, technology, and public policy
 Naval Postgraduate School, (NPS-54Cf7712), 1977. 102
- Jolly, J A; Creighton, J W; Moore, B M
 Technology transfer in science, technology and public policy.
 Naval Postgraduate School, (NPS-54Cf77121), 1977.
 102 p.
- Jones, C R: Johnson, R L and others
 Life cycle costing of an emerging technology: The fiber optics case
 Naval Postgraduate School, (NPS-55Js76031), 1976.
 428 p.
- McMasters, A W: Hanson, R L
 Budgeting for repairable secondary items at the Naval
 Electronics Systems Command
 Sponsored by the Naval Electronic Systems Command.
 Naval Postgraduate School, (NPS-5478007), 1978. 41
 p.
- Senger, J D
 Sailors' age related attitudes toward supervisors and
 peer leadership
 Naval Postgraduate School, (NPS-54Se77061), 1977. 34
- Weitzman, R A
 Superiority of fit
 Naval Postgraduate School, (NPS-54Wz76091), 1976. 9
- Weitzman, R A
 Bias-free selection: Better cutting scores or better
 tests?
 Naval Postgraduate School, (NPS-5478006), 1978. 27
- Weitzman, R A
 Aggregation of enlisted pay grades and service ratings
 by tasks performed: Implications for officer
 subspecialty aggregation
 Sponsored by Principal Deputy Assistant Secretary of
 the Navy (Manpower and Reserve Affairs) and Deputy
 Chief of Naval Oper., (Manpower, Personnel, and
 Training). Naval Postgraduate School,
 (NFS54-78-008), Dec., 1978. 23 p.

DEPARTMENT OF ADMINISTRATIVE SCIENCES
TECHNICAL REPORTS AND NOTES (cont'd)

- Weitzman, R A
 The test of HC in psychology
 Naval Postgraduate School, Nov., 1979. 33 p.
- Weitzman, R A

 Utilization of graduate-educated naval officers

 Sponsored by Principal Deputy Assistant Secretary of
 the Navy (Manpower and Reserve Affairs) and Deputy
 Chief of Naval Oper. (Manpower, Personnel, and
 Training). Naval Postgraduate School, (NPS
 54-79-008), Cct., 1979. 11 p.
- Weitzman, R A
 Bias-free selection: Better cutting scores or better
 tests?
 Naval Postgraduate School, (NPS 54-78-006), Nov.,
 1978. 27 p.
- Weitzman, R A
 Test bias and overprediction
 Naval Postgraduate School, (NPS 54-79-005), July,
 1979. 28 p.
- Weitzman, R A: Robertson, D W
 Naval officer retention as a function of commission source and first and second duty assignments: An evaluation of three estimation models
 Sponsored by Navy Res. and Develop. Lab. Naval Postgraduate School, (NPS 54-79-006), Sept., 1979. 33 p.
- Whipple, D R
 The construction of performance indicator, for use with capitation budgeting in the MHSS
 Na val Postgraduate School, 1977. 110 p.
- Whipple, D R
 Capitation/incentive project: Final report and recommendation
 Naval Postgraduate School, 1977. 25 p.
- Whipple, D R Capitation/incentive project: Working papers Naval Postgraduate School, 1977. 80 p
- Whipple, D R
 Internal incentives in the military health care delivery system
 Naval Postgraduate School, 1977. 40 p.

A 50 50 5

DEPARTMENT OF ADMINISTRATIVE SCIENCES TECHNICAL REPORTS AND NOTES (cont d)

- Whipple, D R
 Some thoughts on the use of survey methods in policy research
 Naval Postgraduate School, (NPS-54784), 1978. 18 p.
- Whipple, D B: Menzel, B
 The limited use of non-physician providers: Is more research the cure?
 Naval Postgraduate School, (NPS-54771), 1977. 37 p.
- Whipple, D R; Menzel, B
 The contribution of non-physician providers to the search for a non-equitable and efficient health care delivery system
 Naval Postgraduate School, 1977. 35 p.

DEFARTMENT OF OPERATIONS RESEARCH CONFERENCE PRESENTATIONS

- Barr, D R: Burnett, T A sequential test based on sample medians Am. Statist. Assoc., Boston, Mass., Aug., 1976.
- Barr, D R: Larson, H J: Jayachandran, T
 Significance level interrelationships
 10th Int. Biometrics Conf., Guaruja, SP, Brazil, Aug.
 10, 1979.
- Barr, D R: Richards, F R
 Characteristics of MOE's in the C3 setting
 Military Oper. Res. Symp., Monterey, Calif., Dec.,
 1977.
- Barr, D R; Richards, F R
 Determining the military utility of the TPQ-27 bombing system
 43rd Military Res. Symp., West Point, N. Y., June, 1979.
- Barr, D R: Thomas, M
 Statistical lumpability of a Markov manpower model
 Oper. Res. Soc. Am. Mtg., Chicago, Ill., Mar., 1977.
- Brown, G G
 Network models and logistics management
 NCPDM, Los Angeles, Calif., Oct., 1977.
- Brown, G G
 Large scale logistics system design: Interface issues
 for optimization and information
 Nat. Council on Physical Distribution Manage.,
 Chicago, Ill., Oct. 16, 1978.
- Brown, G G
 Perspectives in the design of the new generation of optimization systems
 Univ. of Tennessee/Oak Ridge Nat. Lab. Seminar,
 Knoxville, Tenn., Feb. 4, 1978.
- Brown, G G
 Computer assisted fleet dispatch
 Nat. Council on Physical Distribution Manage.,
 Chicago, Ill., Oct. 16, 1978.
- Brown, G G
 Special topics in optimization, six lectures from personal perspective
 Lecture Series of the Chancellor's Scholar, Univ. of California, Ios Angeles, Calif., Oct.-Nov., 1978.

DEPARTMENT OF OPERATIONS RESEARCH CONFERENCE PRESENTATIONS (cont'd)

- Brown, G G
 Perspectives on optimization and military systems
 analysis
 42nd Symp. of the Military Oper. Res. Soc., Newport,
 RI, Dec. 5, 1978.
- Brown, G G: Bradley, G H; Graves, G W
 Pleet vehicle scheduling: A practical application of
 the quadratic assignment model
 Applications of Transportation Models Session,
 ORSA/TIMS Conf., Los Angeles, Calif., Nov. 13, 1978.
- Brown, G G: Bradley, G H
 Extensions of network optimization algorithms
 Assoc. for Computing Machine. Nat. Mtg., Houston,
 Tex., Oct., 1976.
- Brown, G G: Bradley, G H
 Network optimization and defense modeling
 Center for Naval Analyses, Arlington, Va., Aug.,
 1976.
- Brown, G G; Bradley, G H
 Energy modelling with network optimization
 Federal Energy Administration, Washington, D. C.,
 Sept., 1976.
- Brown, G G; Bradley, G H
 Large scale network optimization
 Stanford Oper. Res. Colloquium, Stanford, Calif.,
 Jan., 1977.
- Brown, G G; Bradley, G H; Geoffrion, A M; Schmitt, R G
 Production planning at a building materials company
 Production Flanning Systems in the Molding Industry,
 ORSA/TIMS Conf., Los Angeles, Calif., Nov. 15, 1978.
- Brown, G G: Bradley, G H: Graves, G W
 Preprocessing of large linear programs
 Large Scale Systems Session, ORSA/TIMS Conf.,
 Atlanta, Ga., Nov. 9, 1977.
- Brown, G G; Bradley, G H; Graves, G W Improvements in large scale primal network algorithms Network Flows Session, ORSA/TIMS Conf., Atlanta, Ga., Nov. 7, 1977.

- 22-2

DEFARTMENT OF OPERATIONS RESEARCH CONFERENCE PRESENTATIONS (cont'd)

- Brown, G G; Bradley, G H; Graves, G W
 Design and implementation of large scale primal transshipment algorithms
 9th Int. Mathematical Programming Symp., Budapest, Hungary, Aug., 1976.
- Brown, G G; Bradley, G H; Graves, G W Preprocessing of large linear programs ORSA/TIMS, Atlanta, Ga., Nov., 1977.
- Brown, G G: Bradley, G H: Graves, G W
 Fleet vehicle scheduling: A practical application of
 the quadratic assignment model
 Joint Nat. Mtg./Oper. Res. Soc. Am. and Inst. for
 Manage. Sci., Los Angeles, Calif., Nov. 13, 1978.
- Brown, G G: Bradley, G H: Graves, G W: Haefele, R Optimal, real-time dispatch of petroleum tank trucks 24th Int. Mtg., the Inst. of Manage. Sci., Honolulu, HI, June 18, 1979.
- Brown, G G; Geoffrion, A M; Bradley, G H; Schmidt, R Production planning at a building materials company Joint Nat. Mtg./Oper. Res. Soc. Am. and Inst. for Manage. Sci., Los Angeles, Calif., Nov. 13, 1978.
- Brown, G G; Graves, G W
 Use of elastic linear programming
 Large Scale Linear Programs Session, ORSA/TIMS Conf.,
 Atlanta, Ga., Nov. 7, 1977.
- Brown, G G: Graves, G W
 Use of elastic linear programming
 ORSA/TIMS, Atlanta, Ga., Nov., 1977.
- Brown, G G; Graves, G W
 Use of simple algebraic structures for implementing algorithms in large scale mathematical programming Am. Mathematical Soc. 746th Mtg., Hayward, Calif., Apr., 1977.
- Brown, G G: Graves, G W
 Open questions in basis representation and manipulation
 Joint Nat. Mtg./Oper. Res. Soc. Am. and Inst. for
 Manage. Sci., Los Angeles, Calif., Nov. 13, 1978.
- Brown, G G; Graves, G W
 Open questions in basis representation and manipulation
 Large Scale Linear Programming Session, ORSA/TIMS
 Conf., Los Angeles, Calif., Nov. 14, 1978.

- 26-6-

DEFARTMENT OF OPERATIONS RESEARCH CONFERENCE PRESENTATIONS (cont'd)

- Brown, G G: Graves, G W
 Computational implications of degeneracy in large scale optimization
 14th Int. Symp. on Mathematical Programming,
 Montreal, Canada, Sept., 1979.
- Brown, G G: Graves, G W
 Computational tocls for solving large mixed integer optimization problems
 Joint Nat. Mtg./Oper. Res. Soc. Am. and Inst. for Manage. Sci., New Orleans, La., Apr. 30, 1979.
- Brown, G G: Graves, G W: Bradley, G H
 Design and implementation of a new large scale
 optimization system
 14th Int. Symp. on Mathematical Programming,
 Montreal, Canada, Sept., 1979.
- Brown, G G: Taylor, J G
 Further canonical methods in the solution of
 variable-coefficient Lanchester-type equations of modern
 warfare: A new definition of power Lanchester functions
 ORSA/TIMS, Miami, Fla., Nov., 1976.
- Brown, G G; Taylor, J G
 Numerical determination of the parity-condition
 parameter for Lanchester-type equations of modern
 warfare
 ORSA/TIMS, Atlanta, Ga., Nov., 1977.
- Brown, G G: Taylor, J G
 Numerical determination of the parity-condition
 parameter for Lanchester-type equations of modern
 warfare
 Military Applications Session, ORSA/TIMS Conf.,
 Atlanta, Ga., Nov. 9, 1977.
- Brown, G G
 Perspectives on optimization and military systems
 analysis
 42nd Military Cper. Res. Soc. Mtg., (Invited
 Address), Newport, R. I., Dec. 5, 1978.
- Butterworth, R W
 Minifast-interactive personnel system model
 Joint WORC-TIMS (DC) Manpower Symp., Washington, D.
 C., Apr. 5-6, 1976.

-

DEPARTMENT OF OPERATIONS RESEARCH CCNFERENCE PRESENTATIONS (cont d)

- Butterworth, R W
 Interactive system modelling
 ORSA Western Section, Univ. of Southern California,
 Sept. 16-17, 1976.
- Esary, J D
 The effect of mcdeling depth on reliability prediction for systems subject to a phased mission profile
 Int. Conf. on Nucl. Systems Reliability Eng. and Risk Assessment, Gatlinburg, Tenn., June 20-24, 1977.
- Gaver, D P
 Random record mcdels
 Mtg. of Inst. of Math. Statistics, Santa Barbara,
 Calif., 1976.
- Gaver, D P: Jacobs, P A
 Storage problems when demand is all or nothing
 ORSA/TIMS Nat. Mtg., Los Angeles, Calif., Nov., 1978.
- Gaver, D P; Jacobs, P A
 On combinations of random loads
 Oper. Res. Scc. of Am. Conf., New Orleans, La., May,
 1979.
- Gaver, D P: Jacobs, P A
 Storage problems when demand is "all or nothing"
 Oper. Res. Scc. of Am. Mtg., Los Angeles, Calif.,
 Sept., 1979.
- Gaver, D F: Lehoczky, J P
 Models of terminal user behavior in a time sharing
 environment
 ORSA/TIMS Nat. Mtg., New York, N. Y., May, 1978.
- Gaver, D P: Miller, R G
 Jackknifing the Kaplan-Meier estimate
 Joint Stat. Mtg., Am. Stat. Assoc., Los Angeles,
 Calif., Aug., 1978.
- Hartman, J K
 A review of some approaches to global optimization of nonconvex nonlinear programs
 Presented at the Joint TIMS/ORSA Mtg., San Francisco, Calif., May 9-11, 1977.
- Jacobs, P A
 Queues with correlated interarrival and service times
 ORSA/TIMS Joint Nat. Mtg., Los Angeles, Calif., Nov.
 13-15, 1978.

DEFARTMENT OF OPERATIONS RESEARCH CONFERENCE PRESENTATIONS (cont'd)

- Larson, H J
 Econometrics in systems analysis
 3rd Ann. Mtg., Systems Analysis Soc. of China, Tam
 Kang College, Taipei, Taiwan, Sept. 12, 1976.
- Larson, H J; Barr, D R; Jayachandran, T Significance level interrelationships 10th Conferencia Internacional de Biometria, Guaruja, SP, Brasil, Aug., 6-10, 1979.
- Lewis, P A W
 Discrete time-series generated by mixtures
 Int. Conf., Stochastic Processes and their
 Applications, Canberra, Australia, July 10, 1978.
- Lewis, P A W Simulation of non-homogeneous Poisson processes Winter Simulation Conf., Miami, Fla., Dec. 4, 1978.
- Lewis, P A W
 Discrete time-series generated by mixtures
 Imperial College, London, England, Department of
 Math., July 31, 1978.
- Lewis, P A W
 Simulation of ncn-homogeneous Poisson processes
 Univ. of Western Australia, Perth, West Australia,
 July 14, 1978.
- Lewis, P A W
 Simulation of ncn-homogeneous Poisson processes
 Bell Telephone Labs., Hclmdel, N. J., Oper. Res.
 Dept., Oct. 18, 1978.
- Lewis, P A W Simulation of non-homogeneous Poisson processes IBM Res. Labs., Oct. 16, 1978.
- Lewis, P A W
 Discrete time series generated by mixtures
 U. C. Berkeley, Berkeley, Calif., Department of
 Statistics, May 9, 1978.
- Lewis, P A W Simulation of non-homogeneous Poisson processes Virginia Polytechnic Inst., Departments of Oper. Res. and Computer Sci., Blacksburg, Va., Oct. 23, 1978.

- Which

DEPARTMENT OF OPERATIONS RESEARCH CCNFEBENCE PRESENTATIONS (cont·d)

- Lewis, P A W Simulation of non-homogeneous Poisson processes Univ. of Wellington, Wellington, N. Z., July 3, 1978.
- Lewis, P A W
 Simulation of non-homogeneous Poisson processes
 Florida State Univ., Statistics Department,
 Tallahassee, Fla., Dec. 1, 1978.
- Lewis, P A W
 Simulation of ncn-homogeneous Poisson processes
 U. C. Santa Earbara, Math. Department, Santa Barbara,
 Calif., Ncv. 9, 1978.
- Lewis, P A W Simple models for positive-valued and discrete-valued time series with ARMA correlation structure 5th Int. Multivariate Symp., June 20, 1978.
- Lewis, P A W
 Discrete time-series generated by mixtures
 Princeton Univ., Statistics Department, Princeton, N.
 J., Oct. 19, 1978.
- Lewis, P A W
 Simulation of non-homogeneous Poisson processes
 Naval Postgraduate School, Monterey, Calif., Sept.
 21, 1978.
- Lewis, P A W
 Applications of CARMA-type processes
 Am. Stat. Assoc. Ann. Mtg., San Diego, Calif., Aug.
 17, 1978.
- Lewis, P A W
 Simulation of non-homogeneous Poisson processes
 Sloan Kettering Cancer Inst., Biostatistics Dept.,
 New York, N. Y., Oct. 17, 1978.
- Marshall, K T
 Analysis of aircraft landings on aircraft carriers
 ORSA/TIMS Joint Nat. Mtg., Los Angeles, Calif., Nov.
 13-15, 1978.
- Marshall, K T; Grincld, R C
 Some lcng-range optimization models for manpower planning
 Symp. on Recent Develop. in Quantitative Human Resources Planning, Bell Labs., Holmdel, N. J., Oct., 1976.

- 25-4-

DEPARTMENT OF OPERATIONS RESEARCH CCNFERENCE PRESENTATIONS (cont'd)

- Milch, P R
 Two models for the prediction of advancements in the Navy enlisted force
 Presented at the ORSA/TIMS Joint Nat. Mtg., San Francisco, Calif., May 9, 1977.
- Milch, P R
 Eurocommunism Hungarian style
 Eurocommunism, Eastern Europe and the USSR. Naval
 Postgraduate School, Monterey, Calif., Aug. 21-22,
 1978.
- Neil, D E Individual differences in industrial design Ind. Des. Scc. of Am., San Jose, Calif., Apr. 21, 1976.
- Neil, D E
 Biologic periodicity and behavior modification
 Behavior Eodification and Industry Conf., Palo Alto,
 Calif., May, 1977.
- Neil, D E
 Human factors/systems psychology as applied to heavy
 duty motor truck safety
 Int. Safety Congress and Maintenance Inst., San
 Francisco, Calif., May, 1978.
- Parry, S H
 Cost and operational effectiveness analysis (COEA)
 methodology the XM1 tank
 Oper. Res. Soc. Am., Western Mtg., Los Angeles,
 Calif., Sept., 1976.
- Parry, S H: Caldwell, W
 STAR: A brigade model for land combat analysis
 1979 Summer Simulation Conf., Toronto, Canada, June,
 1979.
- Poock, G K
 The physics of high voltage photography as applicable to psychology
 San Jose State Univ. Spartan Bay Psychol. Spring Convention, Apr. 23, 1976.
- Poock, G K
 Teaching military officers command and control
 technologies using the ARPANET
 ARPA Information Processing Techniques Office Ann.
 Conf., State of the Art, Naval Ocean Systems Center,
 San Diego, Calif., Oct. 31, 1978.

DEPARTMENT OF OPERATIONS ESSEARCH CONFERENCE PRESENTATIONS (cont'd)

- Poock, G K
 New command and control technologies
 Electronics and Aerospace Convention (EASCON), 1979,
 Washington, D. C., Fall, 1979.
- Read, R R
 Efficient estimation of negative binomial parameters
 166th Mtg. Inst. of Math. Statistics, New Orleans,
 La., Apr. 9-11, 1979.
- Richards, F R
 Academic research in inventory theory and its relation to the Naval Surrly system
 NAVSUP Inventory Policy Advisory Council, Wash., D. C., Dec., 1976.
- Richards, F R: Barr, D R
 Determining the military utility of the TPQ-27 bombing
 system
 Military Oper. Res. Symp. (43rd MORS), U. S. Military
 Academy, June, 1979.
- Richards, F R: Daeschner, W E
 Bad buys in budget constrained multi-item inventory
 systems
 Joint Nat. Mtg. ORSA/TIMS, Los Angeles, Calif., Nov.,
 1978.
- Richards, F R: Marshall, K T Analysis of deficits in discrete time resource allocation problems with correlated supplies and demands SIAM 1976 Fall Mtg., Georgia Tech, Atlanta, Ga., Oct., 1976.
- Shudde, R H
 Role of the handheld calculator in the Navy
 5th Nat. PROCAL Workshop, Naval Ocean Systems Center,
 San Diego, Calif., Nov. 1-4, 1977.
- Shudde, R H
 Impact of the handheld calculator on education at the
 Naval Fostgraduate School
 7th Nat. PROCAL Workshop, Naval Ocean Systems Center,
 San Diego, Calif., Oct. 31-Nov. 3, 1978.
- Shudde, R H
 Recent developments in the use of the handheld
 calculator by the Navy
 6th Nat. PROCAL Workshop, Naval Ocean Systems Center,
 Oxnard, Calif., May 9-11, 1978.

DEPARTMENT OF OPERATIONS RESEARCH CONFERENCE PRESENTATIONS (cont'd)

- Shudde, R H
 Rectangular/polar: Summation routines
 P. P. C. Western Calculator Conf. Santa Clara,
 Calif., Sept. 22, 1979.
- Sovereign, M G
 Modeling of Command and Control in theatre-level combat
 models
 ONE Theatre-Level Gaming and Analysis Workshop,
 Leesburg, Va., Sept. 28, 1977.
- Sovereign, M G
 Navy experiences with design to cost
 Am. Inst. of Ind. Engrs. Seminar on Design to Cost,
 San Francisco, Calif., Apr. 21, 1978.
- Taylor, J G
 Concentration of forces in some Lanchester-type combat models
 Western Section of ORSA 1976 Mtg., Los Angeles,
 Calif., Sept. 16-17, 1976.
- Taylor, J G
 State-cf-the-art summary (Lanchester theory)
 15th Ann. U. S. Army Oper. Res. Symp., Ft. Lee, Va.,
 Oct. 27-29, 1976.
- Taylor, J G
 Some simple victory-prediction conditions for
 Lanchester-type combat between two homogeneous forces
 with supporting fires
 ORSA/TIMS Joint Nat. Mtg., New York, N. Y., May 3,
 1978.
- Taylor, J G
 A review of some previous attempts to establish a theory of comtat
 DNA/NPS Theory of Combat Workshop, Naval Postgraduate School, Mcnterey, Calif., July 10, 1979.
- Taylor, J G; Brown, G G
 Numerical determination of the parity-condition
 parameter for Lanchester-type equations of modern
 warfare
 ORSA/TIMS Joint Nat. Mtg., Atlanta, Ga., Nov. 8,
 1977.

DEPARTMENT OF OPERATIONS RESEARCH CCNFEBENCE PRESENTATIONS (cont'd)

- Thomas, M U
 Application of a maximum entropy principle in selecting alternative harbor oil spill removal systems
 Univ. Wisconsin-Milwaukee, College of Eng. and Appl. Sci., Apr., 1976.
- Thomas, M U
 A generalized maximum entropy principle in decision
 modeling
 Univ. of Wisconsin-Madison Ind. Eng. Symp., Madison,
 Wis., Nov., 1976.
- Thomas, M U
 Analyzing decision activities in man-machine systems
 Am. Inst. of Ind. Engrs., Peninsula Ch. 037, San
 Jose, Calif., May, 1976.
- Washburn, A R
 MOE's for electronic warfare
 41st Military Oper. Res. Soc. Symp., Fort McNair,
 Washington, D. C., July 11-13, 1978.
- Washburn, A R
 Work harder when you're almost done
 24th TIMS Mtg., Honolulu, HI, June, 1979.

DEPARTMENT OF OPERATIONS RESEARCH CONTRIBUTIONS TO BOOKS

- Esary, J D
 The effect of modeling depth on reliability prediction for systems subject to a phased mission profile
 IN J. B. Fussell and G. R. Burdick, eds.:
 Nuclear systems reliability engineering and risk assessment, published by the Soc. for Ind. and Aprl. Math., Philadelphia, Pa., 1977, p. 562-583.
- Forrest, R N
 (Ch.)

 IN Naval operations analysis (2nd ed.). Naval
 Inst. Press, Annapolis, Md., 1977, p. 298-302.
- Gaver, D P
 Probability models in logistics (Ch. 12)
 IN W. H. Marlowe, ed.: Modern trends in
 logistics research, M.I.T. Press, 1976, p.
 296-331.
- Gaver, D P
 Ch. 3-7
 IN Moder and Elmaghraby, eds.: Handbook of operations research, vol. 1. New York, Van Nostrand Reinhold, 1978.
- Hartman, J K
 Modern techniques of O.A. dynamic programming (Ch. 14)

 IN Naval operations analysis, 2nd ed. Naval
 Inst. Press, 1977, p. 289-295.
- Larson, H J
 Appendix B
 IN N. W. Brueske and R. A. Zrickson:
 Probabilistic approach to the design of nuclear
 weapon effect tests. Boeing Aerospace, (Final
 rep.), Dec., 1978.
- Larson, H J
 Introduccion ala teoria de probabilidade y inferencia estadistica
 Mexico City, Limusa, 1978.
- Larson, H J: Shubert, B O
 Probabilistic models in engineering sciences. Vol. II:
 Random signals, noise and dynamic systems
 J. Wiley, 1979. 737 p.

DEPARTMENT OF OPERATIONS RESEARCH CCUTRIBUTIONS TO EOOKS (cont d)

- Larson, H J; Shubert, B O
 Probabilistic models in engineering sciences. Vol. I:
 Random variables and stochastic processes
 J. Wiley, 1979. 544 p.
- Larson, H J; Shubert, B O Solutions manuals for Probabilistic models in engineering sciences. Vol. II J. Wiley, 1979. 250 p.
- Larson, H J; Shubert, B O
 Solutions manuals for Probabilistic models in engineering sciences. Vol. I
 J. Wiley, 1979. 154 p.
- Lewis, P A W: Cooley, J W: Welch, P D
 The fast Fourier transform algorithm and its applications
 New York, John Wiley & Sons, 1978.
- Marshall, K T; Grincld, R C
 Manpower planning models
 Am. Elsevier, 1976. 256 p.
- Marshall, K T; Grinold, R C
 Manpower planning under uncertain conditions
 The Inst. of Manage. Sci., Studies in the Manage.
 Sciences, vol. 8, p. 209-217, (1978).
- Neil, D E
 Laboratory investigations for the analysis of biorhythms
 (Ch. 7)
 IN Albert Thumann, ed.: Biorhythms and
 industrial safety. Fairmont Press, 1977.
- Neil, D E
 Statistical techniques for the analysis of biorhythms
 (Ch. 6)
 IN Albert Thumann, ed.: Biorhythms and
 industrial safety. Fairmont Press, 1977.
- Shubert, B O: Larson, H J
 Probabilistic models in engineering sciences. Vol. II:
 Random signals, noise and dynamic systems
 J. Wiley, 1979. 737 p.
- Shubert, B O; Larson, H J
 Probabilistic models in engineering sciences. Vol. I:
 Random variables and stochastic processes
 J. Wiley, 1979. 544 p.

DEPARTMENT OF OPERATIONS RESEARCH CONTRIBUTIONS TO EOOKS (cont'd)

Shudde, R H
The handheld calculator with ASW applications
Naval Postgraduate School, May, 1978. 139 p.

Taylor, J G
Attrition modelling
IN R. K. Huber, K. Niemeyer, H. W. Hofmann, eds.:
Operationsanlytische spiele für die
verteidigung, Aldenbourg, 1979, p. 139-189.

Taylor, J G
Recent developments in the Lanchester theory of combat
IN K. B. Haley, ed.: Operational research '78,
North-Holland, 1979, p. 773-806.

DEPARTMENT OF OPERATIONS RESEARCH JOUENAL PUBS & CCNFERENCE PROCS

- Barr, D R: Burnett, T
 A nonparametric analogy of the analysis of covariance
 J. of Educational and Psychological Meas., vol. 37,
 no. 1, (1977).
- Barr, D R; Richards, F R
 Induced priors in decision problems
 The Annals of Statistics, vol. 5, no. 1, p. 182-184,
 (1977).
- Barr, D R: Shudde, R H
 An analysis of earthquake frequency data
 Bull. Seismological Soc. Am., vol. 67, no. 5, p.
 1379-1386, (1977).
- Barr, D R: Thomas, M
 An approximate test of Markov chain lumpability
 J. Am. Stat. Assoc., vol. 72, no. 357, (1977).
- Barr, D R: Thomas, M U
 Some geometric characteristics of Markov chain
 lumpability
 1976 Joint ORSA/TIMS Nat. Mtg., Philadelphia, Pa.,
 Mar., 1976.
- Barr, D R: Thomas, M U
 An Eigenvector condition for Markov chain lumpability
 Oper. Res., vol. 26, no. 6, p. 1028-1031, (1977).
- Brown, G G
 Issues in basis manipulation:
 Factorization-decomposition
 ORSA/TIMS, Miami, Pla., Nov., 1976.
 IN Proc., (1976).
- Brown, G G; Bradley, G H; Graves, G W Design and implementation of large scale primal transshipment algorithms Manage. Sci., vol. 24, no. 1, p. 1-34, (1977).
- Brown, G G: Rutemiller, H C
 Means and variances of stochastic vector products with applications to random linear models
 Manage. Sci., vol. 24, no. 2, p. 210-216, (1977).
- Erown, G G; Rutemiller, H C; Solberg, E
 Maximum likelihood estimation of the probability of
 labor force participation where the dependent variable
 is binary, with an application to the AFDC
 population-at-risk
 Atlantic Econ. Q., vol. 5, no. 2, p. 22-31, (1977).

DEPARTMENT OF OPERATIONS RESEARCH
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Brown, G G: Taylor, J
 Canonical methods in the solution of
 variable-coefficient Lanchester-type equations of modern
 warfare
 Oper. Res., vol. 24, p. 44-69, (1976).
- Brown, G G; Taylor, J G
 Numerical determination of the parity-condition
 parameter for Lanchester-type equations of modern
 warfare
 Computers and Oper. Res., (1977).
- Brown, G G: Taylor, J G
 An examination of the effects of the criterion functional on optimal fire-support policies
 Nav. Res. Lcg. Q., (1977).
- Esary, J D: Marshall, A W
 Multivariate distributions with increasing hazard rate
 average
 The Annals of Probability, vol. 7, no. 2, p. 359-370,
 (Apr., 1979).
- Gaver, D P
 Random record models
 J. Appl. Protability, vol. 13, no. 3, p. 538-547,
 (1976).
- Gaver, D P
 Exploratory analysis of access path length data for a data base management system
 IBM J. Res. and Develop., vol. 20, no. 5, p. 449-464, (1976).
- Gaver, D P
 Multitype multiprogramming probability models and
 numerical procedures
 Int. Symp. Computer Performance Modeling, Meas. and
 Evaluation, Harvard Univ., Mar., 1976.
 IN Proc., (1976).
- Gaver, D P
 A diffusion approximation solution for a repairman problem with two types of failure
 Manage. Sci., vol. 24, p. 71-81, (1977).
- Gaver, D P
 Modeling and estimating the availability of complex systems: The jackknife, common-cause, and inspection models
 23rd Conf. on Design of Experiments in Army Res.
 Develop. and Testing, Monterey, Calif., Nov., 1978.
 IN Proc.

DEFARIMENT OF OPERATIONS RESEARCH JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Gaver, D P
 Discussion: Pseudorandom number assignment in statistically designed simulation and distribution sampling experiments
 J. Am. Stat. Assoc., vol. 73, no. 363, p. 522-523, (Sept., 1978).
- Gaver, D P
 Statistical methods of probable use for understanding remote sensing data
 PRIMARS I, Manchester, England, July, 1979.
 IN Proc., (1979).
- Gaver, D P
 Modeling the influence of information on the progress of combat
 MIT/ONE Conf. on Command and Control, Naval
 Postgraduate School, Monterey, Calif., Aug., 1979.
 IN Proc., M.I.T., (1979).
- Gaver, D P: Acar, E
 Analytical hazard representations for use in
 reliability, mortality, and simulation studies
 Communications in Statistics Simulation and
 Computation, vol. B8, no. 2, p. 91-111, (Oct., 1979).
- Gaver, D F: Cnu, B
 Stochastic models for repairable redundant systems subject to common model failures
 Nucl. Syst. Reliability and Risk Assessment, p. 342-370, (1977).
- Gaver, D F: Chu, B B

 Jackknife estimates of component and system availability
 Technometrics, vol. 21, no. 4, p. 443-450, (Nov.,
 1979).
- Gaver, D P; Chu, B B
 Availability analysis for some standby systems
 Probabilistic Analysis of Nucl. Reactor Safety,
 Newport Beach, Calif., May 8-10, 1978.
 IN Proc.
- Gaver, D P: Humfeld, G
 Multitype multiprogramming models
 Acta Informatica, vol. 7, p. 111-121, (1976).

DEPARTMENT OF OPERATIONS RESEARCH
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Gaver, D P: Jacobs, P A
 Non-homogeneously paced random records and associated
 external processes
 J. Appl. Probability, vol. 15, no. 3, p. 552 ff.,
 (1978).
- Gaver, D P: Lehoczhy, J P
 A diffusion approximation model for a communication system allowing message interference
 IZEE Trans. cn Communications, vol. Com.-27, no. 8, p. 1190-1199, (Aug., 1979).
- Gaver, D F: Lehoczky, J
 A diffusion-approximation analysis of a general
 n-compartment system
 Math. Biosciences, vol. 36, p. 127-148, (1977).
- Gaver, D P: Lehoczky, J P
 New diffusion approximations for time sharing queues
 ORSA/TIMS Nat. Mtg., Miari, Fla., Nov., 1976.
- Gaver, D P: Lehoczky, J P
 Gaussian approximations to service problems: A
 communication system example
 J. Appl. Probability, vol. 13, no. 4, p. 768-780,
 (1976).
- Grinold, R C; Marshall, K T; Oliver, R M
 Longitudinal manpower planning models
 Nav. Res. Log. Q., vol. 23, p. 245-260, (June, 1976).
- Howard, G T: Bradley, G H: Schneidewind, N F
 Analysis of program structure and error detection
 properties
 IN ACM Software Eng. Notes, vol. 1, no. 2, p.
 20a-20t, 1976.
- Howard, G T; Green, T F; Schneidewind, N F
 Program structures, complexity and error characteristics
 Polytechnic Inst. New York Symp. Computer Software
 Eng., Apr., 1976.
 IN Proc., (1976).
- Jacobs, P A
 A Poisson convergence theorem for a particle system with dependent constant velocities
 Stochastic Processes and Their Applications, vol. 6, p. 41-52, (1977).

-

DEFARTMENT OF OPERATIONS RESEARCH
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Jacobs, P A
 A cyclic queueing network with dependent exponential service times
 J. Appl. Probability, vcl. 15, p. 573-589, (1978).
- Jacobs, P A
 Excursions of a Markov process induced by continuous additive functionals
 Zeitshrift fur Wahrscheinlichkeitstheorie und verwardte Gerlete, vol. 44, p. 325-336, (1978).
- Jacobs, P A
 Random loads
 9th Conf. on Stochastic Processes and their
 Applications, Evanston, Ill., Aug. 6-10, 1979.
 IN Advanced Appl. Probabilities.
- Jacobs, P A
 Random load processes
 ORSA/TIMS Joint Nat. Mtg., New Orleans, La., Apr.
 30-May 2, 1979.
 IN Proc.
- Jacobs, P A
 Discrete time series generated by mixtures
 24th Int. Mtg. of the Inst. of Manage. Sci.,
 Honolulu, HI, June 18-22, 1979.
 IN Proc.
- Jacobs, P A; Gaver, D P
 Non-homogeneously paced random records and associated extremal processes
 J. Appl. Probability, vol. 15, p. 552-559, (1978).
- Jacobs, P A: Lewis, P A W
 A mixed autoregressive-moving average exponential sequence and point process (EARMA 1,1)
 Advanced Appl. Probability, vol. 9, no. 1, p. 87-104, (Mar., 1977).
- Lewis, P A W; Liu, I H
 Empirical sampling study of a goodness of fit statistic for density function estimation
 Multivariate Analysis, vol. 4, p. 159-174, (1977).
- Lewis, P A W: Shedler, G S
 Statistical analysis of non-stationary series of events
 in a data base system
 IBM J. Res. and Develop., vol. 20, no. 5, p. 465-482,
 (1976).

DEFARTMENT OF OPERATIONS RESEARCH
JOURNAL PUBS & CCNFERENCE PROCS (cont*d)

- Lewis, P A W: Shedler, G S
 Simulation of non-homogeneous Poisson processes with
 log-linear rate function
 Biometrika, vcl. 63, no. 3, p. 501-505, (1976).
- Lewis, P A W: Shedler, G S
 Analysis and modelling of point processes in computer systems
 Bull. Int. Stat. Inst., vol. 47, no. 2, p. 193-210, (1977).
- Lindsay, G F: Jayachandran, T
 Use of scaling methods in assessing research proposals
 Oper. Res. Soc. of Am. Conf., Milwaukee, Wis., Aug.,
 1979.
 IN Proc.
- Marshall, K T
 Manpower planning and budgeting in the Navy
 TIMS/ORSA Joint Nat. Mtg., New Orleans, La., Apr.
 30-May 2, 1979.
 IN Proc.
- Marshall, K T
 Manpower planning and management
 1st Inter-Am. Specialized Conf. on Naval Analysis,
 Annapolis, Md., June 11-13, 1979.
 IN Proc., DCNO (OP-964), (June, 1979).
- Marshall, K T
 Mathematical models and simulation in operations analysis
 1st Inter-Am. Specialized Conf. on Naval Analysis, Annapolis, Md., June 11-13, 1979.
 IN Proc., DCNO (OP-964), (June, 1979).
- Marshall, K T: Butterworth, R W
 A survey of renewal theory with emphasis on approximations, bounds and applications
 SIAM Rev.
- Marshall, K T; Grincld, R C; Oliver, R M
 Longitudinal manpower planning models
 Nav. Res. Log. Q., vol. 23, no. 2, p. 245-260,
 (1976).
- Marshall, K T: Grincld, R C
 Some optimization models in manpower planning
 IN Nat. ORSA Mtg., Philadelphia, Pa., Mar., 1976.

DEFARTMENT OF OPERATIONS RESEARCH
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Marshall, K T; Grincld, R C
 Some long range optimization models for human resource planning
 Human Resource Planning, vol. 1, no. 2, p. 113-131, (1978).
- Marshall, K T; Grinold, R C; Oliver, R M Longitudinal manpower planning models Nav. Res. Log. Q., (1976).
- Marshall, K T: Hayne, W J
 Two characteristic Markov type manpower flow models
 Nav. Res. Log. Q., (1976).
- Marshall, K T; Oliver, R M
 Estimating errors in student enrollment forecasting
 Res. in Higher Educ., vol. 11, no. 3, p. 195-205,
 (1979).
- Marshall, K T: Richards, F R
 Analysis of deficits in discrete time resource
 allocation problems with correlated supplies and demands
 IN Nat. Mtg. SIAM, Atlanta, Ga., Oct., 1976.
- Marshall, K T: Richards, F R
 Analysis of deficits and surpluses under various budgeting policies with relations to queuing and scheduling proflems
 IN OR-seminar series, Bell Labs., Holmdel, N. J., Mar., 1976.
- Neil, D E
 Laboratory investigation of biorhythms
 Aviation Space and Environmental Medicine, vol. 47,
 no. 4, p. 425-430, (1976).
- Parry, S H
 The cost & operational effectiveness analysis process
 methodology the XM1 tank application
 Oper. Res., (1976).
- Parry, S H
 Mobility and agility a quantification for future combat vehicle design
 J. of Defense Rev., (1976).
- Parry, S H
 A quantification of mobility and agility
 15th Army Oper. Res. Symp., Ft. Lee, Va., Oct. 26-29,
 1976.
 IN Proc., (1976).

A soft Marie

DEPARTMENT OF OPERATIONS RESEARCH JOUENAL PUBS & CONFERENCE PROCS (cont'd)

- Parry, S H
 Parameterization of terrain in Army combat analysis
 15th Army Oper. Res. Symp., Ft. Lee, Va., Oct. 26-29,
 1976.
 IN Proc., (1976).
- Parry, S H
 Decision analysis an air station for Arcata?
 Decision Sciences
- Parry, S H
 The generation and use of parameterized terrain in land combat simulation
 1977 Winter Simulation Conf., Gaithersburg, Md., Dec. 5-7, 1977.
 IN Proc.
- Parry, S H: Benkel, M
 Scatterable mines: Evaluation, deployment and detection
 16th Army Oper. Res. Symp., Fort Lee, Va., Oct.
 12-14, 1977.
 IN Proc., U. S. Army OTEA, p. 595-609, (1978).
- Parry, S H: Hahn, W D: West, W D

 The effect of target vehicle agility on tank gunners
 16th Army Orer. Res. Symp., Fort Lee, Va., Oct.
 12-14, 1977.
 IN Proc., U. S. Army OTEA, p. 533-542, (1978).
- Parry, S H; Kelleher, E P
 STAR: A high resolution land combat simulation model
 Military Oper. Res. Symp., West Point, N. Y., 1979.
 IN Proc.
- Parry, S H: Kelleher, E P
 Simulation of the tactical employment of field artillery
 17th Army Oper. Res. Symp., Fort Lee. Va., Nov.,
 1978.
 IN Proc., (1979).
- Parry, S H: Kelleher, E P: Wallace, W S: Hagewood, E G STAR: The combat model for analysis of XM-1 stowed load configurations
 17th Army Oper. Res. Symp., Fort Lee, Va., Nov., 1978.
 IN Proc., (1979).

.]

"

DEFARTMENT OF OPERATIONS RESEARCH
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Parry, S H: Kelley, J R
 Ammunition transport capability in support of a combat
 unit
 17th Army Oper. Res. Symp., Fort Lee, Va., Nov.,
 1978.
 IN Proc., (1979).
- Parry, S H: Meiers, W B
 STAR: Simulation of tactical alternative responses
 1978 Winter Simulation Conf., Miami Beach, Fla., Dec.
 4-6, 1978.
 IN Proc., (1979).
- Parry, S H; Moore, M J; Teesdale, T J
 Operation research at the Corps level: An analysis of V
 Corps major training area operations
 16th Army Oper. Res. Symp., Fort Lee, Va., Oct.
 12-14, 1977.
 IN Proc., U. S. Army OTEA, p. 826-837, (1978).
- Poock, G K
 Man-machine systems design laboratory
 Nav. Res., Rev., vol. 29, no. 2, p. 32-33, (1976).
- Poock, G K
 A numerical quantification technique for Kirlian photographs
 Psychoenergetic Syst., vol. 1, p. 1-2, (1976).
- Read, R R
 Characterization of the asymptotic covariance matrix of some altered maximum likelihood estimates
 Inst. of Mathematical Statistics Am., Statistics Assoc. Joint Mtg., Stanford, Calif., June 22-24, 1977.
 IN Inst. of Mathematical Statistics Bull., vol. 6, no. 4, p. 172, (158-24), (June, 1977).
- Read, R R
 Asymptotic efficiency of point estimates
 The Lonndation, Section IIb 1, 2 la, (1977).
- Read, R R
 Components of student-faculty evaluation data
 Educational and Psychological Meas., vol. 39, (Sept., 1979).

+ was and

DEFARTMENT OF OPERATIONS RESEARCH
JOURNAL PUBS & CCNFERENCE PROCS (cont*d)

- Richards, F R
 A repairable item inventory model with attrition and random lead times
 Oper. Res., (1976).
- Richards, F R
 A stochastic model of a repairable-item inventory system with attrition and random lead times
 Oper. Res., vol. 24, no. 1, p. 118-130, (1976).
- Shudde, R H
 Handheld programmable calculators
 1st Inter-Am. Specialized Conf. on Naval Analysis,
 Annapolis, Md., June 11-13, 1979.
 IN Proc., (1979).
- Shudde, R H
 Naval applications of programmable handheld calculators
 WESCON/79, San Francisco, Calif., Sept. 18-20, 1979.
 IN Proc.
- Sovereign, M G
 A proposed educational program for Command, Control and Communications
 ARPA Workshop on Decision Information for Tactical Command and Control Oper. Res. Panel, Airlie House, Va., Sept. 25, 1976.
 IN Proc.
- Sovereign, M G
 A conceptual model for setting design to cost goals
 36th MORS, Leesburg, Va., Dec. 18, 1975.
 IN Proc., p. 202-214, (1976).
- Sovereign, M G
 Discussion of status of theatre-level simulation models
 Theatre-Level Gaming and Analysis Workshop for Force
 Planning, Leesburg, Va., Sept. 22-29, 1977.
 IN Proc., SRI Int., Menlo Park, Calif., p. 82-84,
 (1979).
- Taylor, J G
 On the relationship between the force ratio and the instantaneous casualty-exchange ratio for some Lanchester-type models of warfare Philadelphia Joint Nat. Mtg., ORSA/TIMS, Philadelphia, Pa., Mar. 31-Apr. 2, 1976.
 IN ORSA/TIMS Bull., no. 1, p. 121, (1976).

DEPARTMENT OF OPERATIONS RESEARCH JOUENAL PUBS & CONFERENCE PROCS (cont'd)

- Taylor, J G
 On the relationship between the force ratio and the instantaneous casualty-exchange ratio for some Lanchester-type models of warfare
 Nav. Res. Log. Q., vol. 23, no. 2, p. 345-352, (1976).
- Taylor, J G
 Predicting battle outcome with Liouville's normal form for Lanchester-type equations of modern warfare Opsearch, vcl. 14, p. 185-203, (1977).
- Taylor, J G
 Determining the class of payoffs that yield
 force-level-independent optimal fire-support strategies
 Oper. Res., vcl. 25, p. 506-516, (1977).
- Taylor, J G
 Approximate solution (with error bounds) to a nonlinear nonautonomous second-order differential equation
 J. Franklin Inst., vol. 306, no. 2, p. 195-208, (1978).
- Taylor, J G
 Recent developments in the Lanchester theory of combat
 8th IFORS Int. Conf. on Oper. Res., Toronto, Canada,
 June 20, 1978.
 IN Oper. Res., 1978, North-Holland, 1978.
- Taylor, J G
 Error bounds for the Liouville-Green approximation to initial-value problems
 Zeitschrift fur Angewandte Mathematik und Mechanik, vol. 58, no. 12, p. 529-537, (1978).
- Taylor, J G
 Differential-game examination of optimal time-sequential fire-support strategies
 Nav. Res. Log. Q., vol. 25, no. 2, p. 323-355, (1978).
- Taylor, J G
 Force-annihilation-prediction conditions for
 Lanchester-type equations for modern warfare
 TIMS/ORSA Joint Nat. Mtg., New Orleans, La., Apr. 30,
 1979.
 IN Proc.

DEPARTMENT OF OPERATIONS RESEARCH JOUENAL PUBS & CONFERENCE PROCS (cont'd)

- Taylor, J G
 Prediction of zero points of solutions to
 Lanchester-type differential combat equations for modern
 warfare
 SIAM J. Appl. Math., vol. 36, no. 3, p. 438-456,
 (June, 1979).
- Taylor, J G
 Some simple victory-prediction conditions for
 Lanchester-type combat between two homogeneous forces
 with supporting fires
 Nav. Res. Log. C., vol. 26, no. 2, p. 365-375, (June, 1979).
- Taylor, J G
 Optimal commitment of forces in some Lanchester-type combat models
 Oper. Res., vol. 27, no. 1, p. 96-114, (Jan.-Peb., 1979).
- Taylor, J G
 Overview of a Lanchester-type aggregated-force model of conventional large-scale ground combat
 17th Ann. U.S. Army Oper. Res. Symp. (AORS XVII),
 Fort Lee, Va., Nov. 8, 1978.
 IN Proc., U.S. Army Materiel Develop. and
 Readiness Command (DARCOM), p. 551-562, (1979).
- Taylor, J G: Brown, G G
 Canonical methods in the solution of
 variable-coefficient Lanchester-type equations of modern
 warfare
 Oper. Res., vol. 24, no. 1, p. 44-69, (1976).
- Taylor, J G: Brown, G G

 Further canonical methods in the solution of
 variable-coefficient Lanchester-type equations of modern
 warfare: A new definition of power Lanchester functions
 Miami Joint Nat. Mtg. ORSA/TIMS, Miami Beach, Pla.,
 Nov. 3-5, 1976.
 IN ORSA/TIMS Bull., no. 2, p. 206-207, (1976).
- Taylor, J G; Brown, G G
 Numerical determination of the parity-condition
 parameter for lanchester-type equations of modern
 warfare
 Computers and Oper. Res., vol. 5, no. 4, p. 227-242,
 (1978).

DEFARTMENT OF OPERATIONS RESEARCH
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Taylor, J G: Brcwn, G G
 An examination of the effects of the criterion functional on cptimal fire-support policies
 Nav. Res. Lcg. Q., vol. 25, no. 1, p. 183-211, (1978).
- Taylor, J G: Comstock, C
 Force-annihilation conditions for variable-coefficient
 Lanchester-type equations of modern warfare
 Nav. Res. Log. Q., vol. 24, p. 349-371, (1977).
- Thomas, M U: Barr, D R
 Some geometric characteristics of Markov chain
 lumpability
 1976 Joint CRSA/TIMS Nat. Mtg., Philadelphia, Pa.,
 Mar., 1976.
 IN ORSA/TIMS Bull. no. 1, p. 787, (1976).
- Thomas, M.U.; Nisgar, Y
 An infiltration game with time dependent payoff
 Nav. Res. Log. Q., vol. 23, no. 2, p. 297-302,
 (1976).
- Washburn, A R
 A computation method for matrix differential games
 Int. J. Game Theory, vol. 6, p. 1-10, (1977).
- Washburn, A R
 Some experiments in search theory
 The Pacific Conf. on Oper. Res., Seoul, Korea, Apr.
 23-28, 1979.
 IN Proc., Military Oper. Res. Soc. of Korea and
 the Korean Oper. Res. Soc., (1979).
- Washburn, A R
 Search for a moving target: Upper bound on detection probability
 NATO ARI on Search Theory and Applications, Faro, Portugal, Mar. 26-30, 1979.
 IN Proc.

- Barr, D R: Burnett, T D
 A radar bomb scoring method
 Naval Postgraduate School, (NPS-55Bn76031), 1976. 19
 p.
- Barr, D R
 Statistical aspects of the AN/IPO-27 PSVT design
 Naval Postgraduate School, (NFS-55-77-13), 1977. 27
 p.
- Barr, D R
 Possible approaches to determining lateral and range effects of bomb stations, based on observed impact points
 Sponsored by the Naval Electronics Systems Command.
 Naval Postgraduate School, (NPS-557810), 1978. 15 p.
- Barr, D R: Jayachandran, T; Larson, H J
 Some statistical procedures for the joint oil analysis program
 Sponsored by the Technical Support Center, Naval Air Rework Facility, Pensacola, Pla. Naval Postgraduate School, (NPS-5578008), 1978. 72 p.
- Barr, D R; Larson, H J; Jayachandran, T; Miller, N Statistical procedures for certification of spectrometer laboratories in the joint oil analysis program Naval Postgraduate School, (NPS55-79-031PR), Dec., 1979. 91 p.
- Barr, D R; Poock, G K; Richards, R Experimental designs and analyses for initial ACCAT test bed experimental demonstrations Naval Postgraduate School, (NPS-557721), 1977. 77 p.
- Barr, D R; Poock, G K; Richards, F R; Miller, H G Experimentation, research, and operational concepts for the Naval Postgraduate School remote site module Naval Ocean Systems Center, San Diego, Calif., 1978. 28 p.
- Barr, D R; Poock, G K; Richards, F R
 Experimentation manual. Part 1: Experimentation
 methodology
 Naval Postgraduate School, (NPS55-78-032), Nov.,
 1978. 47 p.

- Barr, D R; Bichards, F R
 Utility assessment methodology, preliminary development
 phase report
 Systems Exploration, Inc., (Technical Rep.), Dec.,
 1978.
- Barr, D R; Richards, F R

 MK 82 komb ejection sensitivity test report
 Sponsored by Naval Electronic Systems Command. Naval
 Postgraduate School, (NPS55-79-02), Feb., 1979. 20
 p.
- Barr, D R; Shudde, R
 An analysis of earthquake frequency data
 Naval Postgraduate School, (NPS-55Su76121), 1976. 11
 p.
- Brown, G G; Bradley, G H; Graves, G W Design and implementation of large scale primal transshipment algorithms UCLA, (WMSI Rep. 260), 1976.
- Brown, G G; Bradley, G H; Graves, G W
 Design and implementation of large scale primal transshipment algorithms
 Naval Postgraduate School, (NPS-55BzBw76091), 1976.
 59 p.
- Brown, G G; et al Seasonal production and sales planning with limited shared tooling at the key operation Naval Postgraduate School, (NPS55-79-030), Dec., 1979. 26 p.
- Brown, G G; Geoffrion, A M; Bradley, G H Seasonal production planning with limited shared tooling at the key operation UCLA, (WMSI Rep. 299), Oct., 1979. 35 p.
- Brown, G G; Rutemiller, H C
 Means and variances of stochastic vector products with
 applications to random linear models
 Naval Postgraduate School, (NPS-55776), 1977. 17 p.
- Brown, G G: Shubert, E O
 On random binary trees
 Naval Postgraduate School, (NPS-55Bw76061), 1976. 45
 p.

- Brown, G G: Taylor, J G
 A table of Lanchester-Clifford-Schlafi functions
 Naval Postgraduate School, (NPS-557739), 1977. 72 p.
- Brown, G G: Taylor, J G A short table of Lanchester-Clifford-Schlafi functions Naval Postgraduate School, (NPS-557742), 1977. 58 p.
- Brown, G G: Taylor, J G
 The Liouville-Green approximation to the solution of variable-coefficient Lanchester-type equations of modern warfare
 Naval Postgraduate School, (NPS-557744), 1977. 21 p.
- Butterworth, R W Minifast An interactive model of the Navy's enlisted personnel system Naval Postgraduate School, (NPS-55Bd76081), 1976. 34 p.
- Esary, J D
 Proposed modifications to the probability of kill model established in the JSORs for the ATAAM and AIAAM missiles (U)
 Naval Weapons Center, China Lake, Calif., (Reg. 39052-53), 1978. 30 p.
- Elster, R S; Read, R R; Githens, W H; Musgrave, G L; Creighton, J W
 Design of operational career ladders
 Naval Postgraduate School, (NPS-55Ea73061), June,
 1978. 91 p.
- Esary, J D
 The effect of mcdeling depth on reliability prediction for systems subject to a phased mission profile Naval Postgraduate School, (NPS-557732), 1977. 22 p.
- Forrest, R N
 A magnetic anomaly signal model with programs for a
 Texas Instruments SR-52 calculator
 Naval Postgraduate School, (NPS-55Fo76021), 1976. 52
- Forrest, R N
 Magnetic anomaly detection models
 Naval Postgraduate School, (NPS-55-77-19), 1977. 88
 p.

- Forrest, R N
 A procedure for estimating an object's position based on two or more bearings with a program for a TI-59 calculator
 Naval Postgraduate School, (NPS-55-77-34), 1977. 37 p.
- Forrest, R N
 Magnetic anomaly detection models with a program for a
 Texas Instruments TI-59 calculator
 Naval Postgraduate School, (NPS-5578021), 1978. 57
 p.
- Forrest, R N
 A note on the use of positive and negative information to update target location estimates
 Naval Postgraduate School, (NPS-5578018), 1978. 13
 p.
- Forrest, R N
 Spoor identification and submarine localization
 Sponsored by Strategic Systems Project Office. Naval
 Postgraduate School, (NPS55-78-031), Oct., 1978. 14
 p.
- Forrest, R N
 An evaluation of a signal processing technique
 Naval Postgraduate School, (NPS-557812PR), 1978. 11
 p.
- Forrest, R N
 A procedure for estimating an object's position based on two or more hearings with a program for a TI-59 calculator
 Naval Postgraduate School, (NPS55-77-34 (Revised)), Aug., 1978. 42 p.
- Forrest, R N
 A submarine spoor detection model
 Sponsored by Strategic Systems Project Office. Naval
 Postgraduate School, (NPS-79-016), Aug., 1979. 27 p.
- Forrest, R N
 A discussion of some work done under the NPS Naval Intelligence Research Project (U)
 Sponsored by Naval Intelligence Support Center.
 Naval Postgraduate School, (NPS55-79-008PR), Mar.,
 1979. 6 p.

- Forrest, R N
 The search effectiveness of MAD
 Sponsored by Naval Intelligence Support Center.
 Naval Postgraduate School, (NPS 55-79-06), Feb.,
 1979. 38 p.
- Gaver, D F
 Statistical methods of probable use for understanding remote sensing data
 Sponsored by Office of Naval Res. Naval Postgraduate School, (NPS55-79-020), Oct., 1979. 19 p.
- Gaver, D P: Acar, M Analytical hazard representation for use in reliability, mortality, and simulation studies Naval Postgraduate School, (NPS55-78-017), Aug., 1978. 48 p.
- Gaver, D P: Jacobs, P A
 Storage problems when demand is "all or nothing"
 Sponsored by the Nat. Sci. Foundation. Naval
 Postgraduate School, (NPS55-79-07), Mar., 1979. 34
 p.
- Gaver, D P: Lehoczky, J P
 Models for work Eacklogs at computers that time-share
 heterogeneous users
 Naval Postgraduate School, (NPS-557733), 1977. 38 p.
- Gaver, D F: Lehoczky, J P
 Channel blocking in a satellite communication system
 model
 Naval Postgraduate School, (NPS55-78-025), Oct.,
 1978. 37 p.
- Gaver, D P: Lehoczky, J P
 Non-stationary infinite server models and their
 relatives
 Sponsored by the Office of Naval Res. and Nat. Sci.
 Foundation. Naval Postgraduate School,
 (NPS-5578026), 1978. 41 p.
- Gaver, D P: Lehoczky, J P
 Channels that cooperatively service a data stream and voice messages, I
 Naval Postgraduate School, (NFS55-79-027), Nov., 1979. 46 p.

- Gaver, D P: Lewis, F A W
 First-order autoregressive gamma sequences
 Spensored by the Office of Naval Res. and Nat. Sci.
 Foundation. Naval Postgraduate School,
 (NFS-5578016), 1978. 55 p.
- Grinold, R C
 A steady state longitudinal manpower planning model with several classes by manpower Naval Postgraduate School, (NPS55-79-025), Aug., 1979. 68 p.
- Hartman, J K
 Preliminary systems specifications for the NTDS computer facilities scheduling system
 May 20, 1977. 29 p.
- Hartman, J K
 Parametric terrain and line of sight modelling in the STAR combat model
 Sponsored by U. S. Army Training and Doctrine
 Command. Naval Postgraduate School, (NPS-55-79-018), Aug., 1979. 81 p.
- Hartman, J K
 A survey of scme mcdels for determining munitions stockpile requirements for air to ground weapons
 Sponsored by the Naval Weapons Center, China Lake,
 Calif. Naval Fostgraduate School, (NPS-55782), 1978.
 42 p.
- Hartman, J K: Howard, G T
 NTDS computer facilities scheduling
 Naval Postgraduate School, (NPS-55Hh55Hk76111), 1976.
 39 p.
- Hartman, J K; Howard, G T
 NTDS computer facilities scheduling system: Final report
 Sponsored by the Fleet Combat Direction Systems Support Activity, San Diego, Calif. Naval Postgraduate School, (NPS-557745), 1977. 153 p.
- Howard, G T
 FACPUB: A system for computerizing faculty publication records
 Naval Postgraduate School, (NPS55-79-019), Sept.,
 1979. 94 p.

DEFARTMENT OF OPERATIONS RESEARCH TECHNICAL REPORTS AND NOTES (cont*d)

- Howard, G T A target selection model Naval Postgraduate School, (NPS-557830), 1978. 25 p.
- Howard, G T: Schneidewind, N F: Kirchgaessner, M
 Software error detection models, validation tests and
 program complexity measures
 Naval Postgraduate School, (NPS-52Ss76111), 1976.
 155 p.
- Jacobs, P A
 A cyclic queueing network with dependent exponential service times
 Naval Postgraduate School, (NPS-557740), 1977. 31 p.
- Jacobs, P A
 Heavy traffic results for single server queues with
 dependent (EARMA) service and interarrival times
 Spensored by the Nat. Sci. Foundation. Naval
 Postgraduate School, (NPS55-79-009), Apr., 1979. 27
 D.
- Jacobs, P A A model for the defense of a mine field Naval Postgraduate School, (NPS55-79-032), Dec., 1979. 16 p.
- Jacobs, P A: Lewis, F A W
 Discrete time series generated by mixtures III:
 Autoregressive processes (CAR(p))
 Naval Postgraduate School, (NPS55-78-022), Sept.,
 1978. 45 p.
- Lewis, P A W
 SASE VI and the statistical analyses of series in events
 in computer systems
 Naval Postgraduate School, (NPS-55Lw76091), 1976. 21
 p.
- Lewis, P A W
 Simple models for positive-valued and discrete-valued time series with ARMA correlation structure
 Naval Postgraduate School, (NPS 55-78-033), Nov.,
 1978. 42 p.
- Lewis, P A W: Gaver, D P
 First order autoregressive Gamma sequences and Point
 processes
 Sponsored by the Office of the Naval Res. and Nat.
 Sci. Foundation. Naval Postgraduate School,
 (NFS-5578016), 1978. 33 p.

0 00 to 000

- Lewis, P A W: Iglehart, D
 Requerative simulation with internal controls
 Spensored by the Office of Naval Res. Naval
 Postgraduate School, (NPS-557805), 1978. 29 p.
- Lewis, P A W: Iglehart, D L
 Variance reduction for regenerative simulations, I:
 Internal control and stratified sampling for queues
 Control Analysis Corp., Palo Alto, Calif., (Technical
 Rep. 86-22), 1976. 30 p.
- Lewis, P A W: Jacobs, P A
 Discrete time series generated by mixtures I:
 Correlational and runs properties
 Naval Postgraduate School, (NPS-55-77-1), 1977. 35
 p.
- Lewis, P A W; Jacobs, P A
 Discrete time series generated by mixtures III:
 Autoregressive processes (DAR(p))
 Sponsored by the Office of Naval Res. Naval
 Postgraduate School, (NPS-5578022), 1978. 45 p.
- Lewis, P A W; Lawrance, A J
 An exponential autoregressive-moving average process
 EARMA(p,q): Definition and correlational properties
 Sponsored by the Office of Naval Res. Naval
 Postgraduate School, (NPS-557801), 1978. 35 p.
- Lewis, P A W: Shedler, G S
 Statistical analysis of non-stationary series of events
 in a data base system
 Naval Postgraduate School, (NPS-55Lw76092), 1976. 51
 p.
- Lewis, P A W; Shedler, G S
 Analysis and modelling of point processes in computer
 systems
 Naval Postgraduate School, (NPS-557738), 1977. 41 p.
- Lewis, P A W: Shedler, G S
 Simulation methods for Poisson processes in
 nonstationary systems
 Sponsored by the Office of Naval Res. Naval
 Postgraduate School, (NPS-5578019), 1978. 25 p.
- Lewis, P A W; Shedler, G S
 Simulation of nonhomogeneous Poisson processes by
 thinning
 Sponsored by the Office of Naval Res. Naval
 Postgraduate School, (NPS-5578014), 1978. 39 p.

- Marshall, K T
 An analysis of bolter-hole spacing in aircraft carrier landings
 Naval Postgraduate School, (NPS-5578013), 1978. 50
 p.
- Marshall, K T
 Forecasting the numbers and types of enlisted personnel in the United States Marine Corps: An interactive cohort model
 Naval Postgraduate School, (NFS-55-77-24), 1977. 31
- Marshall, K T
 A classroom demonstration of the length-bias paradox in renewal theory: First words on printed lines are longer than average
 Naval Postgraduate School, (NPS-557712), 1977. 11 p.
- Marshall, K T
 Department of Cperations Research technical report list
 1966-1976
 Naval Postgraduate School, (NPS-557735), 1977. 16 p.
- Marshall, K T
 An interactive model to compute the officer manpower plan for the United States Marine Corps
 Naval Postgraduate School, (NPS-557737), 1977. 42 p.
- Marshall, K T

 Efficient computation and long range optimization applications using a two-characteristic Markov-type manpower flow model

 Naval Postgraduate School, (NPS-557723), 1977. 31 p.
- Marshall, K T
 Recruit-first term reenlistment trade-off
 (Internal OP-01 Rep.), 1979.
- Marshall, K T: Butterworth, R W
 Survey of numerical methods for applications of renewal processes
 Na val Postgraduate School.
- Marshall, K T: Cliver, R M
 Estimating errors in student enrollment forecasting
 Naval Postgraduate School, (NFS55-79-01), Jan., 1979.
 26 p.



DEFARTMENT OF OPERATIONS RESEARCH TECHNICAL REPORTS AND NOTES (cont'd)

- Marshall, K T; Richards, F R
 Analysis of deficits in discrete time resource
 allocation problems with correlated supplies and demands
 Naval Postgraduate School, (NPS-55MtRh76051), 1976.
 18 p.
- Milch, P R
 Estimation of parametric length of service distributions of advancees of the Navy enlisted force
 Naval Postgraduate School, (NPS-55Mh76121), 1976.
 141 p.
- Milch, P R A model for the prediction of advancements in the Navy enlisted force Naval Postgraduate School, (NPS-55Mh76061), 1976. 141 p.
- Milch, P R
 The establishment of a new method of estimating the number of advancements in the Navy enlisted force Naval Postgraduate School, (NPS-55786), 1978. 164 p.
- Neil, D E
 Design parameters and color CRT display design
 Naval Postgraduate School, (NPS55-79-05), Feb., 1979.
 41 p.
- Parry, S H: Kelleher, E P
 Tactical parameters and input requirements for the ground component of the STAR comfat model
 Sponsored by U. S. Army Training and Doctrine
 Command. Naval Postgraduate School. (NPS55-79-023).
 Oct., 1979. 95 p.
- Pilnick, S E
 An example of phased mission reliability analysis for a hypothetical naval weapons system
 Naval Postgraduate School, (NPS-557728), 1977. 36 p.
- Poock, G R
 Trends in major aircraft accident rates
 Naval Postgraduate School, (NPS-55Pk76061), 1976. 23
- Poock, G K
 Pactors involved in the variability of monthly major
 aircraft accident rates
 Naval Postgraduate School, (NPS-55Pk76071), 1976. 11
 P.

- 100 100

- Raike, W M: Buckingham, J R: Kelleher, M D
 An optimization study of a low thermal potential power
 system
 Naval Postgraduate School, (NPS-69Kk76091), 1976.
 108 p.
- Read, R R
 Methodology for efficiency and alteration of the likelihood system
 Naval Postgraduate School, (NPS-55-77-9), 1977.
- Read, R R
 Study of the prediction of manpower change behavior
 using regression methods
 Naval Postgraduate School, (NPS-557726), 1977. 62 p.
- Read, R R
 Asymptotic efficiency and some quasi method of moments estimators
 Naval Postgraduate School, (NPS-55777), 1977. 69 p.
- Read, R R
 Data analysis of the teaching award ballots
 Naval Postgraduate School, (NPS55-79-013), July,
 1975. 50 p.
- Richards, F R
 A user's guide to the OA 3660 APL workspace
 Naval Postgraduate School, (NPS-5578028), 1978. 113
- Richards, F R; Earr, D R
 Utility assessment methodology, preliminary development phase report
 Systems Exploration, Inc., (Technical Rep.), Dec., 1978.
- Richards, F R; Barr, C R

 MK 82 tomb ejection sensitivity test report

 Sponsored by Naval Electronics Systems Eng. Center.

 Naval Postgraduate School, (NPS55-79-02), Peb., 1979.
 20 p.
- Bichards, F R; Barr, D R; Poock, G K Experimentation manual. Part 1: Experimentation methodology Naval Postgraduate School, (NPS55-78-032), Nov., 1978. 42 p.

- Richards, F R: Marshall, K T
 Analysis of deficits in discrete time resource
 allocation problems with correlated supplies and demands
 Naval Postgraduate School, (NPS-55MtRh76051), 1976.
 18 p.
- Richards, F R: Woodall, S R
 .User's quide to the time series editor
 Naval Postgraduate School, (NPS-5578035), 1978. 32
- Richards, P B; Woodall, S R
 An interactive software package for time series analysis
 Naval Postgraduate School, (NPS-5578034), 1978. 171
 p.
- Shubert, B O; Brown, G G
 On random binary trees
 Naval Postgraduate School, (NPS-55Bw76061), 1976. 45
 p.
- Shudde, R H
 HYFIX Hyperbolic fixing with three sonobuoys
 NAVIACSUPPACT Fleet Mission Program Library, (Doc. C10018), 1976.
- Shudde, R H
 PBM Effectiveness project results of 2 research
 quarters
 Na val Postgraduate School, (Letter rep. NC4 (55SU)/pc,
 3900. Ser: S120), 1976.
- Shudde, R H
 Surface duct propagation loss HP-97 plot version
 NAVIACSUPPACT Fleet Missicn Program Library, (Doc.
 U10015), 1976.
- Shudde, R H
 Nonsymmetric ballastic range, height, time-of-flight and optimal flight path angle computations with programs for a Hewlett-Packard 65 calculator
 Naval Postgraduate School, (NPS-55Su76031), 1976. 17 p.
- Shudde, R H
 DACTIVE Least squares tracking with time, bearing, and range
 NAVIACSUPPACT Fleet Mission Program Library, (Doc. U10017), 1976.

- Shudde, R H
 DIFAR Bearings only tracking with least squares
 NAVIACSUPPACT Fleet Mission Program Library, (Doc. U10016), 1976.
- Shudde, R H
 Speed and course given range-only data from two
 sonobucys of two or more times
 NAVTACSUPPACT Fleet Mission Program Library, (Doc.
 U10021), 1976.
- Shudde, R H
 Bearing, speed and course given range and Doppler data
 from two sonchucys
 NAVTACSUPPACT Fleet Mission Program Library, (Doc.
 U10020), 1976.
- Shudde, R H
 HYLOP Hyperbolic lines-of-position with two sonobuoys
 NAVTACSUPPACT Fleet Mission Program Library, (Doc.
 C10019), 1976.
- Shudde, R H
 An analysis of the Lloyd mirror phenomena under constant velocity gradient conditions with programs for the HP-67/97 calculator
 Naval Postgraduate School, (NPS-557736), 1977. 120 p.
- Shudde, R H
 On-station update of oceanographic information with
 programs for the HP-67 calculator
 Naval Postgraduate School, (NPS-557741), 1977. 13 p.
- Shudde, R H
 Tactical analysis on the personal programmable
 calculator--six algorithms
 Naval Postgraduate School, (NPS-55-77-31), 1977. 89
 p.
- Shudde, R H
 Estimation of a contact's course, speed and position based on bearings-only information from two moving sensors with a program for an HP-67/97 calculator Naval Postgraduate School, (NPS-557743), 1977. 16 p.
- Shudde, R H
 An AN/SSQ-50/5CA and AN/SSQ-62 environmental range prediction model for the Hewlett-Packard HP-67/97 programmable calculator
 Sponsored by Cffice of Naval Res. Naval Postgraduate School, (NPS55-78-027), Oct., 1978.

- Shudde, R H
 Tactical analysis on the personal programmable
 calculator six algorithms (rev. ed.)
 Naval Postgraduate School, (NPS-557731), 1978. 94 p.
- Shudde, R H
 Tracking and environmental algorithms for the
 Hewlett-Packard HP-6.7 calculator
 Naval Postgraduate School, (NPS-55789), 1978. 59 p.
- Shudde, R H
 Naval applications: Three algorithms for the
 Hewlett-Packard HF-67 and HP-97 calculators (U)
 Naval Postgraduate School, (NPS55-79-011), May, 1979.
- Shudde, R H
 Naval applications: Ten algorithms for the
 Hewlett-Packard HP-67 and HP-97 calculators
 Naval Postgraduate School, (NPS55-79-04), Feb., 1979.
 169 p.
- Shudde, R H; Barr, D R
 An analysis of earthquake frequency data
 Naval Postgraduate School, (NPS-55Su76121), 1976. 11
 p.
- Taylor, J G
 Differential-game examination of optimal time-sequential fire-support strategies
 Naval Postgraduate School, (NPS-55Tw76091), 1976. 53 p.
- Taylor, J G
 Optimal fire-surport strategies
 Naval Postgraduate School, (NFS-55Tw76021), 1976.
 146 p.
- Taylor, J G
 Error bounds for the Liouville-Green approximation to initial-value problems
 Naval Postgraduate School, (NPS55-77-29), 1977.
- Taylor, J G
 Fire distribution in Lanchester inertial combat, I:
 "Square-law" attrition of target types
 Naval Postgraduate School, (NPS-557711), 1977. 50 p.

- Taylor, J G
 On Liouville's normal form for Lanchester-type equations of modern warfare with variable coefficients
 Sponsored by the Office of Naval Res. and Foundation Res. Program. Naval Postgraduate School, (NPS-5578C24), 1978. 28 p.
- Taylor, J G: Brown, G G
 An examination of the effects of the criterion
 functional on optimal fire-support policies
 Naval Postgraduate School, (NPS-55Tw55Bn76092), 1976.
 48 p.
- Taylor, J G: Brown, G G
 A short table of Lanchester-Clifford-Schlafli functions
 Sponsored by the U. S. Army Res. Office and Office of
 Naval Res. Naval Postgraduate School, (NPS-557742),
 1977. 63 p.
- Taylor, J G; Brown, G G
 A table of Lanchester-Clifford-Schlafli functions
 Sponsored by the U. S. Army Res. Office and Office of
 Naval Res. Naval Postgraduate School, (NPS-557739),
 1977. 90 p.
- Taylor, J G; Comstock, C
 Force-annihilation conditions for variable-coefficient
 Lanchester-type equations of modern warfare, I:
 Mathematical theory
 Naval Postgraduate School, (NPS-55Tw76081), 1976. 35
- Taylor, J G; Brcwn, G G
 Further canonical methods in the selection of
 variable-coefficient Lanchester-type equations of modern
 warfare
 Naval Postgraduate School, (NPS-557727), 1977.
- Thomas, M U; Parry, S H
 An evaluation of the manufacturing operations at the
 Rock Island arsenal
 Battelle Columbus Labs., (Task Order 76-0069), 1976.
- Thomas, M U: Raike, W M
 Note on bounding moments of an unknown probability mass
 function
 Am. Inst. of Ind. Engrs. Trans., vol. 8, no. 1, p.
 153-154, (1976).

- Thomas, M U; Richards, F R
 Construction workload planning: A final report
 Naval Postgraduate School, (NPS-55Rh761202), 1976.
- Tysver, J B
 Smoothing 3D data for torpedo paths
 Sponsored by the Naval Undersea Warfare Eng. Station,
 Keyport, Wash. Naval Postgraduate School,
 (NPS-557836FR), May, 1978. 64 p.
- Tysver, J B
 Use of sequential differences in smoothing 3-D data
 Naval Postgraduate School, (NPS55-79-012PR), May,
 1979. 106 p.
- Washburn, A R
 Gross measures of surface-to-surface Naval firepower
 Naval Surface Weapons Center, 1977.
- Washburn, A R
 Results of playing an evasion game
 Naval Postgraduate School, (NPS-55783), 1978. 8 p.
- Washburn, A R
 Search for a moving target: Upper bound on detection probability
 Naval Postgraduate School, (NFS55-78-029), Oct.,
 1978. 17 p.
- Washburn, A R
 Simulation of Kalman filter used for short baseline underwater tracking
 Sponsored by the Naval Torpedo Station, Keyport, Wash. Naval Postgraduate School, (NPS-5578015), 1978. 11 p.
- Washburn, A R
 Introduction to Blotto games
 Naval Postgraduate School, (NPS-5578023), 1978. 30
 p.
- Washburn, A R
 Hide and seek from a fixed base
 Sponsored by ORI, Inc. Naval Postgraduate School,
 (NFS55-79-010), Apr., 1979. 15 p.
- Yen, J Y
 A decentralized algorithm for finding the shortest paths in defense communications networks
 Naval Postgraduate School, (NPS55-79-015), July, 1979. 15 p.

DEPARTMENT OF OPERATIONS RESEARCH
TECHNICAL REPORTS AND NOTES (cont'd)

Yen, J Y
Distributed shortest path algorithms for computer networks
Naval Postgraduate School, (NPS55-79-017), Aug., 1979. 36 p.

DEFARTMENT OF NATIONAL SECURITY AFFAIRS CONFERENCE PRESENTATIONS

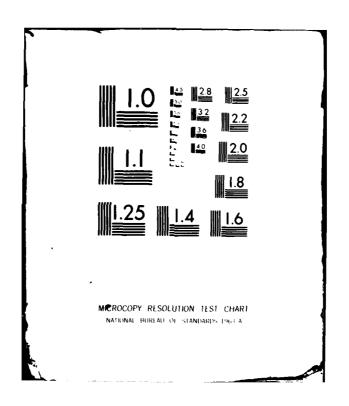
- Burke, D P
 The politics of Canadian Armed Forces unification
 Biennial Conf. Assoc. for Canadian Studies in the
 United States, Burlington, Vt., Oct., 1977.
- Burke, D P
 The transplantation of Ulster: Irish ideology and
 English-French conflict in Canada
 Ann. Mtg. Western Political Sci. Assoc., Los Angeles,
 Calif., Mar., 1978.
- Burke, D P
 Stragegy and national mobilization in Romania: A Warsaw
 Pact country faces the Warsaw Pact threat
 Southeastern Regional Conf. of the Inter-Univ.
 Seminar on Armed Porces and Soc., The Air Univ.,
 Maxwell AFB, Ala., June, 1979.
- Burke, D P
 Bilingualism and biculturalism in the Canadian Armed
 Forces
 Biennial Conf. Assoc. for Canadian Studies in the
 United States, Washington, D. C., Sept., 1979.
- Daniel, D C
 The Soviet Navy of the next decade: Speculation and predictions
 Int. Studies Assoc. Section on Military Studies, Charleston, S. C., Nov. 9, 1978.
- Daniel, D C; Hertig, K
 Deception in military affairs: Propositions for historical analysis
 Conf. on the History of Intelligence, Lund, Sweden, Sept. 18, 1979.
- Magnus, R H
 Iran in the 198Cs
 Conf. sponsored by SRI Int., Washington, D. C., and the Inst. of Int. Political and Econ. Studies, Tehran, held in Washington, D. C., 1977.
- Sherwin, R G
 International commitments and arms transfers: A
 conceptual discussion
 Presented to Int. Studies Assoc., San Francisco,
 Calif., Mar., 1976.

- 1

DEPARTMENT OF NATIONAL SECURITY AFFAIRS CCNFERENCE PRESENTATIONS (cont'd)

- Sherwin, R G
 Rethinking the prospect for a general theory of the international system: The confessions of a born-again traditionalist
 Presented to the Int. Studies Assoc., Washington, D. C., Feb., 1978.
- Sherwin, R G
 Controlling international conflict through arms
 transfers: An empirical assessment
 Department of Nat. Security Affairs, Naval
 Postgraduate School, Monterey, Calif., July, 1979.
- Sherwin, R G; Hamilton, C; Taylor, C P Soviet diplomacy and gains in Soviet influence in the Third World Department of Nat. Security Affairs, Naval Postgraduate School, Monterey, Calif., Sept., 1979.
- Sherwin, R G; Van Beers, L Arms transfers and conflict: An exploratory empirical study Presented to Int. Studies Assoc.-West, Los Angeles, Calif., Apr., 1977.
- Valenta, J
 The collective leadership and succession in the USSR
 15th Ann. Southern Conf. on Slavic Studies, Univ. of
 Virginia, Oct. 21-23, 1976.

	_						<u>,, , , , , , , , , , , , , , , , , , ,</u>			<u>-</u>				-	
4D-A088 740			NAVAL POSTGRADUATE SCHOOL MONTEREY CA RECENT NAVAL POSTGRADUATE SCHOOL PUBLICATIONS.(U) APR 80 W M TOLLES NPS-012-80-004PR)	F/6 5/2				
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DEFARTMENT OF NATIONAL SECURITY AFFAIRS CONTRIBUTIONS TO BOOKS

- Amos, J W Arab-Israeli military/political relations: Arab perceptions and the politics of escalation Pergamon Press, 1979. 315 p.
- Daniel, D C International perceptions of the superpower military balance New York, Praeger Publishers, 1978. 200 p.
- Daniel, D C; Jones, D Navy
 - IN Soviet armed forces review annual, 1979, Academic Int. Press, 1979, p. 66-102.
- Daniel, D C; Jones, D Navy
 - IN Soviet armed forces review annual, 1978, Academic Int. Press, 1979, p. 154-196.
- Daniel, D C: Jones, D
 Merchant marine
 IN Soviet armed forces review annual, 1978,
 Academic Int. Press, 1979, p. 212-216.
- Magnus, R H
 The foreign policy of the Arab Republic of Egypt
 IN J. N. Rosenau and others, eds.: World
 politics, New York, The Free Press, 1976, p.
 222-238.
- Sherwin, R G: Laurance, E J
 Understanding arms transfers through data analysis
 IN Ra'anan and Pfaltzgraff, eds.: Arms transfers
 to the Third World, Denver, Westview Press,
 1978, p. 87-106.
- Sherwin, R G; Laurance, E J
 The measurement of weapons systems balances: Building upon the perception of experts
 IN D. C. Daniel, ed.: Perceptions of the superpower military balance, New York, Praeger Publishers, 1978, p. 40-56.
- Stolfi, R H; et al Ice moving in sea water IN A. A. Husseiny, ed.: Iceberg utilization. New York, Pergamon Press, 1978, p. 199-219.

DEPARTMENT OF NATIONAL SECURITY AFFAIRS CCNIRIBUTIONS TO BOOKS (cont'd)

Stolfi, R H; Wang, P C C
An analyst's guide to technological threat forecasting
(U)
U. S. Naval Intelligence Command, Dec., 1978. 346 p.

Valenta, J Soviet-Cuban intervention in Angola 1975 Univ. of Denver, Denver, Colo., 1976.

Valenta, J
The USSR and Czechoslovakia's experiment with
Eurocommunism: Reassessment after a decade
IN H. Brisch and I. Volgyes, eds.:
Czechoslovakia: The heritage of ages past:
Essays in memory of Josef Korbel, Boulder,
Colo., East European Q., 1979, p. 201-212.

DEFARTMENT OF NATIONAL SECURITY AFFAIRS JOURNAL PUBS & CONFERENCE PROCS

- Burke, D F
 Hellyer and Landymore: The unification of the Canadian Armed Forces and an admiral's revolt
 Am. Rev. of Canadian Studies, p. 3, (Fall, 1978).
- Daniel, D C
 The Soviet Navy in the Pacific: An overview of capabilities, limitations, and utilization
 Conf. on the Maritime Environment in Northeast Asia, sponsored by the Int. Inst. for Strategic Studies, the Brookings Inst., and the Yomiuri Shimbun, Tokyo, Japan, Oct., 1978.

 IN Proc., The Yomiuri Shimbun (Tokyo newspaper), p. 27, (Oct., 1978)
- Daniel, D C
 Trends and patterns in major Soviet naval exercises
 Naval War College Rev., p. 34-41, (1978).
- Daniel, D C
 Beyond the "Rise of the Soviet Navy"
 California Seminar on Arms Control and Foreign
 Policy, Los Angeles, Calif., Apr. 17, 1979.
 IN California Seminar on Arms Control and Foreign
 Policy, 60 p., (1979).
- Daniel, D C
 The Soviet navy in the Pacific
 Asia Pacific Community, vol. 1979, no. 4, p. 66-84,
 (Spring/Early Summer, 1979).
- Laurance, E J
 The changing role of Congress in defense policymaking
 J. Conflict Resolution, vcl. 20, no. 4, (1976).
- Magnus, R H
 Muhammad Zahir Khan, former king of Afghanistan
 The Middle East J., vol. 30, no. 1, p. 77-80, (1976).
- Magnus, R H
 Middle East oil and the OPEC Nations
 Current History, vol. 70, no. 412, p. 22-26, 28, (1976).
- Magnus, B H
 Middle East
 IN Encyclopedia Americana, vol. 19, New York,
 Grolier, Inc., p. 71-80, (1978).

DEFARTMENT OF NATIONAL SECURITY APPAIRS
JOURNAL PUBS & CCNFERENCE PROCS (cont'd)

- Schutz, B M
 The colonial heritage of strife: Sources of cleavage in the Zimbabwe liberation movement Africa Today, vol. 25, no. 1, (1978).
- Sherwin, R G; Laurance, E J
 Arms transfers and military capability
 Int. Studies Q., vol. 23, no. 3, p. 360-389, (Sept., 1979).
- Stolfi, R H: Ratley, I O
 Air Antitank Seminar
 Naval Postgraduate School, Mar. 16-17, 1977.
 IN (Prcc.), 70 p.
- Valenta, J
 Reflections on the Soviet foreign policy decision making
 ALASS Symp., Washington, D. C., May 9-10, 1975.
 IN Proc., (1976).
- Valenta, J Eurocommunism in Eastern Europe: Promise or threat? Problems of Communism, (Mar.-Apr., 1978).
- Valenta, J
 The bureaucratic politics paradigm and the Soviet
 invasion of Czechoslovakia
 Political Sci. Q., vol. 94, no. 1, p. 55-76, (Spring, 1979).

DEFARTMENT OF NATIONAL SECURITY AFFAIRS TECHNICAL REPORTS AND NOTES

- Daniel, D C
 Defense nationale perceptions of the US-Soviet military balances
 Naval Postgraduate School, (NPS-56D176111), 1976.
 127 p.
- Daniel, D C
 Perceptions of the superpower military balances:
 Considerations and evidence.
 Naval Postgraduate School, (NPS-5678001), Peb., 1978.
 290 p.
- Laurance, E J
 The use of judgmental data in roll call analysis
 Naval Postgraduate School, (NFS-56-79-003), June,
 1978. 29 p.
- Magnus, R H
 Shah, state and society in contemporary Iran
 The Stanford Res. Inst., (Rep. on Iran), 1976.
- Sherwin, R G: Laurance, E J
 Using data in security assistance policy making
 Naval Postgraduate School, Sept. 30, 1976. 141 p.
- Sherwin, R G: Van Eeers, L: Laurance, E J
 The management and analysis of arms transfers information (U)
 Na val Postgraduate School, (NPS-56-79-002), Oct.,
 1978. 310 F.
- Stolfi, R H; Clemens, J E; McEachin, R R
 A-10/GAU-8 low angle firings versus individual Soviet
 tanks (February-March 1978)
 Naval Postgraduate School, (Rep.), Aug., 1979. 70 p.
- Stolfi, R H; Clemens, J E: McEachin, R R
 Combat damage assessment team A-10/GAU-8 low angle
 firings versus simulated Soviet tank company (10 March
 1978)
 Naval Postgraduate School, (NPS-56-79-007), Aug.,
 1979. 122 p.
- Stolfi, R H; Clemens, J'E; McEachin, R R
 Combat damage assessment team A-10/GAU-8 low angle
 firings versus simulated Soviet tank company (15 June
 1978)
 Naval Postgraduate School, (NPS-56-79-006), Aug.,
 1979. 88 p.

DEFARIMENT OF PHYSICS AND CHEMISTRY CONFERENCE PRESENTATIONS

- Crittenden, E C; Ccoper, A W; Milne, E A; Rodeback, G W; Armstead, R L
 Presentation
 Compass-Hammer Electro-Optic Program, Sept. 6, 1979.
- Harrison, D E
 Computer simulation of the sputtering of clusters
 Wehner Retirement Seminar on Sputtering and Surface
 Characterization, Minneapolis, Minn., May 15, 1978.
- Harrison, D E
 The influence of cascade interactions on sputtering by
 molecular ions
 Atomic Collisions in Solids IX, Hamilton, Ontario,
 Canada, Aug., 1979.
- Harrison, D E: Garrison, B J: Winograd, N
 Computer simulation of sputtering
 2nd Int. Workshop: Inelastic Ion-Surface Collisions,
 Hamilton, Ontario, Aug. 14-16, 1978.
- Medwin, H
 Acoustical bubble spectrometry at sea
 Cavitation and Inhomogeneities in Underwater
 Acoustics, Gottingen, West Germany, July 9-11, 1979.
- Schacher, G E: Fairall, C W; Davidson, K L: Houlihan, T M Scaling laws for CN2 in the marine boundary layer High Energy laser Program Rev., Washington, D. C., July, 1978.
- Schacher, G E; Houlihan, T M; Davidson, K L; Fairall, C W Shipboard measurements of turbulence scaling in the marine boundary layer
 West Coast, Am. Geophys. Union, San Francisco, Calif., Dec., 1977.

DEPARTMENT OF PHYSICS AND CHEMISTRY CONTRIBUTIONS TO BOOKS

- Cooper, J N Solutions manual to Elements of physics (9th ed.) McGraw-Hill Bock Co., 1979. 177 p.
- Schwirzke, F B; Oren, L; Taylor, R J
 Measurements of wall impurity concentrations during
 Tokamak discharges
 IN E. Sindoni and C. Wharton, eds.: Diagnostics
 for fusion experiments. Pergamon Press,
 Oxford, UK, 1979, p. 601-615.
- Schwirzke, F R
 Proceedings: 1978 IEEE Int. Conf. on Plasma Sci.,
 Monterey, Calif., May 15-17, 1978
 Inst. of Electrical and Electronics Engrs., 1978.
 330 p.

DEPARTMENT OF PHYSICS AND CHEMISTRY JOURNAL PUBS & CONFERENCE PROCS

- Buskirk, F R: Moore, G L: Dally, E E: Dyer, J N:
 Maruyama, X K: Pitthan, R
 The widths of the E2 (delta T = 0 and delta T = 1) giant
 resonances in Hc-165
 Zeitschrift fur Naturforschung, vol. 31a, p. 668-669,
 (1976).
- Buskirk, F R: Pitthan, R
 Isospin of the fine structure between 8 and 12 MeV in
 Pb-208 and its implication for the multipole assignment
 of the 8.9 MeV resonance
 Phys. Rev., vol. C16, p. 983, (1977).
- Buskirk, F R; Pitthan, R; Dally, E B; Shannon, J O; Smith, W H
 Giant resonances and bound collective states observed in the scattering of 92.5 MeV electrons from the closed-neutron-shell nucleus Y-89 between excitation energies from 2.0 to 55 MeV
 Phys. Rev., vcl. C16, p. 70, (1977).
- Coppens, A B
 Theoretical study of the propagation of sound into a fast bottom from an overlying wedge
 95th Mtg. of the Acoust. Soc. Am., Providence, R. I.,
 May 16-19, 1978.
 IN J. Acoust. Soc. Am., vol. 63, suppl. 1, 511,
 Am. Inst. of Phys., p. 90, (1978).
- Coppens, A B
 Finite-amplitude standing waves in rectangular cavitites with degeneracies and weakly-perturbed walls
 96th Mtg. Acoust. Soc. Am., Honolulu, HI, Nov. 27 Dec. 1, 1978.
 IN J. Acoust. Soc. Am., vol. 64, suppl. no. 1,
 (Fall, 1978).
- Coppens, & B
 Theoretical study of the propagation of sound into a fast bottom from an overlying fluid wedge
 Workshop on Seismic Propagation in Shallow Water,
 NRL, Washington, D. C., July 6-7, 1978.
 IN Proc., Office of Nav. Res., (1978).
- Crittenden, E C
 Optical transmission in the atmosphere over the ocean
 Ann. Mtg., Cptical Soc. Am., San Francisco, Calif.,
 Oct. 31, 1978 Nov. 3, 1978.

 IN J. Optical Soc. Am., vol. 68, no. 10, p.
 1366-1367, (Oct., 1978).

DEPARTMENT OF PHYSICS AND CHEMISTRY

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

Crittenden, E C: Ccoper, A W: Milne, E A: Rodeback, G W: Kalmbach, S H: Armstead, R L

Effects of turbulence on imaging through the atmosphere
Optical Properties of the Atmosphere, Washington, D.
C., Mar. 30-31, 1978.
IN Optical Properties of the Atmosphere, vol. 142,
Proc., Soc. of Photo-Optical Instrumentation
Engrs., p. 130-134, (1978).

Crittenden, E C: Cooper, A W: Milne, E A; Rodeback, G W: Kalmbach, S H: Armstead, R L
Image resolution through atmospheric tubulence
Conf. on Range Instrumentation, Soc. of Photo-Optical
Instrumentation Engrs., Fort Walton Beach, Fla., Mar.
13-14, 1978.
IN Photo and Electro-Optics in Range
Instrumentation, vol. 134, Proc. SPIE, p.
34-37, (1978).

Crittenden, E C: Cooper, A W: Milne, E A: Rodeback, G W: Kalmbach, S H: Armstead, R L
Spot broadening and wander in turbulence
Htg. of Propagation Subpanel of the High Energy Laser Rev. Group, Washington, D. C., July 18-20, 1978.
IN Proc., Lincoln Lab., (1978).

Crittenden, E C; Cooper, A W; Milne, E A; Rodeback, G W; Kalmbach, S H; Armstead, R L Long path, shipboard, and slant path extinction measurements

Mtg. of Propagation Subpanel of the High Energy Laser Rev. Group, Washington, D. C., July 18-20, 1978.

IN Proc., Lincoln Lab., (1978).

Crittenden, E C: Ccoper, A W: Milne, E A: Rodeback, G W: Kalmbach, S H: Armstead, R L
Resolution and extinction in the marine boundary layer
Commonwealth Nations Rev. of Electro-optic Programs,
Pt. Mugu, Pacific Missile Test Center, Calif., Nov.
28, 1978.
IN Proc., Pacific Missile Test Center, (1978).

Crittenden, E C: Cooper, A W: Milne, E A: Rodeback, G W: Armstead, R L: Kalmbach, S H: Schacher, G E: Fairall, C W Degradation of optical transmission in the atmospheric marine boundary layer

Soc. of Photo-Optical Instrumentation Engrs. (SPIE), Conf. on Ccean Optics, Monterey, Calif., Oct. 23-25, 1979.

IN Proc., vol. 208, paper 22, (1979).

1

"

· CHARLES

DEPARTMENT OF PHYSICS AND CHEMISTRY

JOUENAL PUBS & CCNFERENCE PROCS (cont'd)

- Crittenden, E C; Davidson, K L Laser transmissions in the marine environment Nav. Res. Rev., vol. 29, no. 2, p. 6-10, (1976).
- Davidson, K L: Houlihan, T M: Fairall, C W: Schacher, G E Observation of the temperature structure function parameter, C-squared-sub-T, over the ocean Boundary Layer Meteorology, vol. 15, p. 507-523, (Dec., 1978).
- Pairall, C W: Markson, R
 Turbulence in the boundary layer as a function of height
 and stability
 Space Instrumentation for Atmospheric Observation,
 1979 IEEE Region 5 Ann., Conf., El Paso, Tex., Apr.
 3-5, 1979.
 IN Proc., p. 1-5.
- Harrison, D E
 Atom ejection studies by classical trajectory simulation Surface Phys. Workshop, La Jolla, Calif., Aug., 1979.
 IN Proc., Am. Phys. Soc., (1979).
- Harrison, D E: Delaplain, C B
 Computer simulation of the sputtering of clusters
 J. of Appl. Phys., (1976).
- Harrison, D E: Garrison, B J: Winograd, N
 Computer simulation of sputtering
 Am. Soc. for Mass Spectry., St. Louis, Mo., May
 28-June 2, 1978.
 IN Proc.
- Harrison, D E: Garrison, B J; Winograd, N
 Atom ejection mechanisms and models
 Secondary Ion Mass Spectry., (SIMS II), Stanford
 Univ., Palo Alto, Calif., Aug., 1979.
 IN Proc.
- Harrison, D E; Kelly, P W; Garrison, B J; Winograd, N Low energy ion impact on single crystal surfaces Surface Sci., vol. 76, p. 311-322, (1978).
- Kelly, R I
 The spectroscopic data center of the Naval Postgraduate
 School
 Symp. on Atomic Spectry. (SAS-79), Tucson, Ariz.,
 Sept., 1979.
 IN Proc., Univ. of Arizona, (1979).

DEPARTMENT OF PHYSICS AND CHEMISTRY
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Kelly, R I: Harrison, D E Ionization potential of FeXVII in the neon isoelectronic sequence, revised value Atomic Data and Nucl. Data Tables, vol. 19, p. 301-303, (1977).
- Medwin, H
 In situ acoustic measurements of microbubbles at sea
 J. of Geophys. Res., vol. 82, no. 6, (1977).
- Medwin, H
 Counting bubbles acoustically: A review
 Ultrasonics, vol. 15, no. 1, p. 7-13, (1977).
- Medwin, H
 Acoustical determinations of bubble size spectra
 J. Acoust. Soc. Am., vol. 62, no. 4, p. 1041-1044,
 (1977).
- Medwin, H: Bailie, J: Bremhorst, J: Savage, B J: Tolstoy, I

 The scattered acoustic boundary wave generated by grazing incidence at a slightly rough rigid surface J. Acoust. Scc. of Am., vcl. 66, no. 4, p. 1131-1134, (Oct., 1979).
- Moose, P H
 Cybernetic models of military C-cubed-I systems
 ONR/MIT 1979 C-cubed Workshop, Naval Postgraduate
 School, Monterey, Calif., July, 1979.
 IN Proc., MIT, (1979).
- Moose, P H: Chaffee, E J: Heinz, O
 Measurement of geomagnetic fluctuations in Monterey Bay
 Workshop on Sea Floor Electromagnetics, Naval
 Postgraduate School, Monterey, Calif., Aug. 20-22,
 1979.
 IN Proc., (1979).
- Pitthan, R; Bates, G M; Beach, J S; Dally, E B;
 Dubois, D H; Dyer, J N; Kowalick, S J; Buskirk, F R
 Comparison of qiant multipole resonances of
 multipolarity E1 to E4 in superscript-58-Ni(T-sub-o = 1)
 and superscript-60-Ni(T-sub-o = 2) with inelastic
 electron scattering
 Phys. Rev. C, vol. 19, no. 4, (Nov., 1979).

DEPARTMENT OF PHYSICS AND CHEMISTRY

JOUENAL PUBS & CONFERENCE PROCS (cont d)

- Pitthan, R; Buskirk, F R
 On the monopole breathing mode in nuclei
 Spring Mtg., Am. Phys. Soc., Washington, D. C., Apr.,
 1978.
 IN Bull. Am. Phys. Soc., vol. 23, p. 506, (1978).
- Pitthan, R: Buskirk, F R: Dyer, J N: Hunter, E E:
 Pozinsky, G
 Distribution of E2 strength in superscript-28-Si below
 50 MeV excitation energy
 Phys. Rev. C, vol. 19, no. 2, p. 299-309, (Feb.,
 1979).
- Pitthan, R: Hass, H: Meyer, D H: Dyer, J N: Buskirk, F R El formfactor and the existence of a breathing mode at 80 A-1/3 MeV in heavy nuclei
 Phys. Rev. Letters, vol. 41, no. 19, p. 1276, (1978).
- Pitthan, R: Hass, H: Meyer, D H: Buskirk, F R: Dyer, J N EO, E1, E2, E3, and E4 giant resonance in the N = 82 nucleus superscript-140-Ce between 4 and 48 MeV excitation energy with inelastic electron scattering Phys. Rev. C, vol. 19, no. 4, p. 1251-1275, (Apr., 1979).
- Reinhardt, R A: Kinney, G F
 Internal blast from magnesium-cased charges
 DEA-G-1060 Ballistic Res. and Develop. Conf., Naval
 Postgraduate School, Monterey, Calif., Oct. 19-20,
 1978.
 IN Proc.
- Sanders, J V; Coppens, A B; Netzorg, G B
 Experimental study of the propagation of sound into a
 fast bottom from an overlying fluid wedge
 95th Mtg. of the Acoust. Soc. Am., Providence, R. I.,
 May 16-19, 1978.
 IN J. Acoust. Soc. Am., vol. 63, suppl. 1, S11,
 Am. Inst. of Phys., p. 90, (1978).
- Sanders, J V
 The experiment: Transmission of acoustic waves into a fast fluid bottom from a converging fluid wedge Workshop on Seismic Propagation in Shallow Water, NRI, Wash., July 6-7, 1978.

 IN Proc., Office of Nav. Res., 1978.

DEFARTMENT OF PHYSICS AND CHEMISTRY
JOURNAL PUBS & CCNFERENCE PROCS (cont'd)

- Sanders, J V; Kuntsal, E
 Experimental processes in the finite-amplitude
 excitation of weakly-perturbed rectangular cavities
 96th Mtg. Accust. Soc. Am., Honolulu, HI, Nov. 27 Dec. 1, 1978.
 IN J. Acoust. Soc. Am., vol. 64, suppl. no. 1,
 (Fall, 1978).
- Sanders, J V: Rajninec, J
 The battle of Tri Duby Part 2
 Air Classics, (1977).
- Schacher, G E; Fairall, C W; Davidson, K L; Houlihan, T M Turbulence and drag coefficient over the ocean Oceans '78, Washington, D. C., Sept., 1978.

 IN Oceans '78: The ocean challenge, IEEE, p. 6, (1978).
- Schacher, G E: Davidson, K L: Houlihan, T M: Fairall, C W Variation of turbulence parameters in marine fog 5th Symp. on Turbulence, Rolla, Mo., Oct., 1977. IN 5th Symp. on Turbulence, Rolla, Mo., Univ. of Missouri, p. 5, (1978).
- Schacher, G E: Fairall, C W
 Use of resistance wires for atmospheric turbulence measurements in the marine environment
 Rev. Sci. Instr., vol. 47, p. 703-707, (1976).
- Schacher, G E: Fairall, C W
 Frequency response of hot wires used for atmospheric turbulence measurements in the marine environment Rev. Sci. Inst., vol. 48, p. 12-17, (1977).
- Schacher, G E: Fairall, C W
 Producing small scale temperature fluctuations in an airstream
 Rev. Sci. Instruments, vol. 49, no. 10, p. 3, (1978).
- Schacher, G E: Fairall, C W
 Prequency response of cold wires used for atmospheric turbulence measurements in the marine environment Rev. Scientific Instruments, vol. 50, no. 9, 4 p., (Sept., 1979).
- Schacher, G E: Fairall, C W: Houlihan, T M: Davidson, K L An examination of scaling laws for Ct squared in the layer adjacent to ocean waves

 Technical Digest, Optical Propagation Through Turbulence, Eain and Fog, vol. TUC 3, no. 1-3, (1977).

DEFARTMENT OF PHYSICS AND CHEMISTRY
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Schacher, G E: Fairall, C W
 Observational results on marine fog related variations of small scale turbulence parameters (Ct squared and epsilon)
 Technical Digest, Optical Propagation Through Turbulence, Rain and Fog, vol. TVA 4, no. 1-4, (1977).
- Schacher, G E; Fairall, C W; Houlihan, T M; Davidson, K L
 Observations of the marine inversion with a shipboard
 acoustic sounder
 Technical Digest, Optical Propagation Through
 Turbulence, Rain and Fog, vol. TUB 4, no. 1-3,
 (1977).
- Schwirzke, F R: Cclper, A W M
 Spontaneous magnetic field generation in shock waves
 19th Ann. Mtg. of the Div. of Plasma Phys., Am. Phys.
 Soc., Atlanta, Ga., Nov. 7-11, 1978.
 IN Bull. Am. Phys. Soc., vol. 22, no. 10, Am.
 Inst. Fhys., (1978).
- Schwirzke, F R; Cooper, A W
 Spontaneous magnetic field generation in shock waves
 19th Ann. Mtg. of the Div. of Plasma Phys. of the Am.
 Phys. Soc., Atlanta, Ga., Nov. 7-11, 1977.
 IN Bull. Am. Phys. Soc., vol. 22, p. 1160, (1977).
- Schwirzke, F R; Oren, L; Talmadge, S; Taylor, R J
 Diagnostics of impurities on Tokamak surface by
 laser-induced desorption
 2nd Tropical Conf. on High Temperature Plasma
 Diagnostics, Santa Fe, N. M., Nar. 1-3, 1978.
 IN Bull. Am. Phys. Soc., vol. 23, p. 697, (1978).
- Schwirzke, F R; Oren, L; Talmadge, S; Taylor, R J Laser-induced desorption of impurities from the macrotor Tokamak walls Phys. Rev. Letters, vol. 40, no. 18, p. 1181-1184, (1978).
- Schwirzke, F R: Parlar, C Y
 Magnetic field generation in a hydrogen plasma by
 laser-produced shock waves
 1979 IEEE Int. Conf. on Plasma Sci., Montreal,
 Canada, June 4-6, 1979.
 IN Conf. Record-Abstracts, IEEE Catalog No. 79
 CH1410-0 NPS, IEEE, p. 127, (1979).

DEFARTMENT OF PHYSICS AND CHEMISTRY
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

Schwirzke, P.R. Taylor, R.J.
Observation of radiative continua from high-Z impurities in a Tokamak plasma
20th Ann. Mtg. Div. of Plasma Phys., Am. Phys. Soc., Colorado Springs, Colo., Oct. 30-Nov. 3, 1978.
IN Bull. Am. Phys. Soc., vol. 23, p. 802, (1978).

Tolles, W M; Nibler, J W; McDonald, J R; Harvey, A B A review of the theory and application of Coherent Anti-Stokes Raman Spectroscopy (CARS) Appl. Spectroscopy, vol. 31, p. 253-271, (1977).

CONT. TO SECURE AND ADDRESS OF THE PROPERTY OF

DEFARTMENT OF PHYSICS AND CHEMISTRY TECHNICAL REPORTS AND NOTES

- Buskirk, F R
 Investigation of giant multipole resonances in medium and heavy nuclei by inelastic electron scattering Sponsored by Nat. Sci. Foundation (PHY 7321573).
 Naval Postgraduate School, (NPS 61-Bs77061), Oct., 1976. 74 p.
- Buskirk, F R
 Nuclear giant multipole resonances by inelastic electron scattering
 Sponsored by Nat. Sci. Foundation. Naval
 Postgraduate School, (NPS 61-79-009), 1979. 36 p.
- Coppens, A B
 Comparisons of isogradient- and isospeed-layer models
 for ray tracing
 Sponsored by the Naval Torpedo Station, Keyport,
 Wash. Naval Postgraduate School, (NPS-6178004),
 1978. 46 p.
- Coppens, A B; Dahl, H A; Sanders, J V
 An introduction to the SONAR equations with applications (Revised)
 Naval Postgraduate School, (NPS-61-79-006), Feb.,
 1979. 144 p.
- Coppens, A B; Sanders, J V
 An introduction to the sonar equations with applications
 Naval Postgraduate School, (NPS-61Sd76071), 1976.
 120 p.
- Coppens, A B: Wilson, O B
 Elements of sound transmission in beams
 Sponsored by Naval Weapons Center. Naval
 Postgraduate School, (NPS-61-79-004), 1978. 33 p.
- Coppens, & B; Wilson, O B
 Elements of sound transmission in beams
 Final rep. for period Apr. 14, 1978 Sept. 30, 1978.
 Naval Postgraduate School, (NPS-61-79-004), 1979. 33
 p.
- Davidson, K L; Houlihan, T M; Fairall, C W; Schacher, G E Observations of the temperature structure function parameter, C-squared-sub-T, over the ocean Naval Postgraduate School, (NPS63-78-005), Sept., 1978. 45 p.

1

DEPARIMENT OF PHYSICS AND CHEMISTRY IECHNICAL REPORTS AND NOTES (cont d)

- Davidson, K L: Houlihan, T M: Pairall, C W: Schacher, G E Observations of the temperature structure function parameter, C-squared-sub-T, over the ocean Naval Postgraduate School, (NPS63-78-005), Sept., 1978. 45 p.
- Fairail, C W: Markson, R: Sedlacek, J
 Altitude dependence of C-squared-sub-T over the ocean
 Naval Postgraduate School, (NPS-61Fr77101), 1977. 50
- Fairall, C W: Schacher, G E
 San Joaquin Valley fog: Attempts at electrical
 dissipation
 Naval Postgraduate School, (NPS-61SqFi76031), 1976.
 32 D.
- Harrison, D E Computer simulation of sputtering Short Note, Feb., 1976, p. 10.
- Harrison, D E: Tuman, H M
 Feasibility study of technical translation by a
 technologist/translator (T/T) team
 Naval Postgraduate School, (NPS-61Hx76101), 1976. 16
 p.
- Kelly, R I
 Atomic emission lines in the near ultraviolet: Hydrogen through krypton
 Nat. Aeron. and Space Administration, (NASA-80268), Apr., 1979. Section I, 400 p., Section II, 380 p.
- Kinney, G F: Sewell, R G S
 Critical injection velocities for ignition
 Naval Weapons Center, China Lake, Calif., (NWC TP
 6038), June, 1978. 18 p.
- Moose, P H: Harriscn, D E
 An analytical model of coordinated effort with
 application to the problem of surveillance C-cubed
 Naval Postgraduate School, (NFS61-79-008), May, 1979.
 79 p.
- Moose, P H: Harriscn, D E: Woehler, K E
 Cybernetic model of military C-cubed-I systems
 Sponsored by the Office of Secretary of Defense, Net
 Assessment. Naval Postgraduate School,
 (NPS61-79-010PR), Aug., 1979. 60 p.

DEFARTMENT OF PHYSICS AND CHEMISTRY TECHNICAL REPORTS AND NOTES (cont'd)

- Novarini, J C: Brunc, D
 Comparative analysis of numerically modeled sea surfaces with different power spectra
 Deptment of Oceanogr., Hydrographic Office, Argentine Navy, (Ref. DOF-IT-10), 1976. 35 p.
- Reese, W: Cunningham, W P
 Predicting Soviet Naval exercises
 Sponsored by the Naval Intelligence Command, Naval
 Field Operational Intelligence Office.
- Reinhardt, R A
 Reactive metals in internal explosives: The combustion of magnesium in air
 Naval Weapons Center, China Lake, Calif.,
 (NWC-TM-3429), 1978. 14 p.
- Reinhardt, R A
 Adiabatic computation of internal blast from
 magnesium-cased charges in air
 Naval Weapons Center, China Lake, Calif., (NWC
 Technical Memorandum #3820), Apr., 1979. 26 p.
- Reinhardt, R A: Graham, K J
 The design and construction of a stopped-flow apparatus
 Naval Postgraduate School, (NPS-61Ri76092), 1976. 44
- Reinhardt, R A; Graham, K J
 Equilifrium and kinetics of some simple complexes of
 palladium(II)
 Naval Postgraduate School, (NPS-61Ri76071), 1976. 50
 p.
- Sanders, J V: Coppens, A B
 An introduction to the sonar equations with applications
 Naval Postgraduate School, (NPS-61Sd76071), 1976.
 120 p.
- Schacher, G E; Davidson, K L; Houlihan, T H; Fairall, C M Observed height and stability dependence of turbulent kinetic energy dissipation in the atmospheric surface layer Sponsored by the Naval Sea Systems Command. Naval Postgraduate School, (NPS-6377002), 1977. 35 p.
- Schacher, G E; Fairall, C W
 San Joaquin Valley fog: Attempts at electrical
 dissipation
 Naval Postgraduate School, (NPS-61SqFi76031), 1976.
 32 p.

DEPARTMENT OF PHYSICS AND CHEMISTRY TECHNICAL REPORTS AND NOTES (cont'd)

- Schacher, G E: Fairall, C W: Davidson, K L: Houlihan, T M Experimental investigation of the marine boundary layer in support of air pollution studies in the Los Angeles air basin
 Naval Postgraduate School (NPS-61-78-002), Feb.,
 1978. 257 p.
- Schacher, G E; Fairall, C W; Davidson, K L; Houlihan, T M USNS Hayes marine boundary layer research cruise: Preliminary evaluation of NPS data
 Sponsored by the Naval Air Systems Command. Naval Postgraduate School, (NPS-61PrDsHmSq77111), 1977. 32 p.
- Schacher, G E: Fairall, C W: Davidson, K L: Houlihan, T M Atmospheric turbulence measurements in marine fog during CEWCOM-76 Sponsored by the Naval Air Systems Command. Naval Postgraduate School, (NPS-6177004), 1977. 61 p.
- Schacher, G E: Fairall, C W: Davidson, K L: Houlihan, T M Atmospheric marine boundary layer measurements in the vicinity of San Nicolas Island during CEWCOM-78 Sponsored by the Naval Air Systems Command. Naval Postgraduate School, (NPS-6178007), 1978. 69 p.
- Schacher, G E; Fairall, C W; Davidson, K L
 Results of Naval Fostgraduate School aerosol
 measurements for San Nicolas Island spectrometer
 intercomparison
 Sponsored by Naval Ocean Systems Command. Naval
 Postgraduate School, (NPS61-79-011PR), 1979. 571 p.
- Schacher, G E: Fairall, C W: Houlihan, T M: Davidson, K L
 Evaporation duct height measurements in the mid-Atlantic
 Sponsored by the Office of the Oceanographer of the
 Navy. Naval Postgraduate School, (NPS-6178005),
 1978. 136 p.
- Schacher, G E: Garner, E: Usher, T: Fairall, C W: Davidson, K L
 1978 marine boundary layer study (MABLES-WC)
 Naval Postgraduate School, (NPS-61-79-003), Dec.,
 1978. 32 p.
- Schacher, G E; Houlihan, T M; Davidson, K L; Fairall, C W Observational results on the temperature structure function parameter, C-squared-sub-T, adjacent to ocean waves

 Sponsored by the Naval Sea Systems Command. Naval Postgraduate School, (NPS-6377001), 1977. 35 p.

DEFASIMENT OF PHYSICS AND CHEMISTRY TECHNICAL REPORTS AND NOTES (cont'd)

- Schacher, G E: Houlihan, T M: Davidson, K L: Fairall, C W Experimental aspects of a shipboard system used in investigations of overwater turbulence and profile relationships

 Sponsored by the Naval Sea Systems Command. Naval Postgraduate School, (NPS-6178001), 1978. 66 p.
- Schwirzke, F R
 The use of electrostatic probes in strong magnetic fields
 IEEE Mini-Course on Modern Plasma Diagnostics,
 Monterey, Calif., May 17-19, 1978. 26 p.
- Schwirzke, F R; Oren, L; Taylor, R J
 Measurements of wall impurity concentrations during
 Tokamak discharges
 Sponsored by the NPS Foundation Res. and U. S.
 Department of Energy. Naval Postgraduate School,
 (NPS-6179002), 1978. 19 p.
- Wilson, C B
 Annual summary report range studies program
 Rep. for the period July, 1975 June, 1976. Naval
 Postgraduate School, (NPS-71W176081), 1976. 13 p.
- Wilson, O B
 Annual summary report range studies program
 Naval Postgraduate School, (NPS-71-78-002PR), Dec.,
 1977. 33 p.
- Wilson, C B
 Annual summary report: Range studies program FY1978
 Sponsored by the Naval Undersea Warfare Eng. Station,
 Keyport, Wash. Naval Postgraduate School,
 (NPS-617900 1PR), 1978. 28 p.
- Wilson, O B
 Summary report: Development work on acoustic transducers for underwater range tracking
 Sponsored by Naval Undersea Warfare Eng. Station.
 Naval Postgraduate School, (NFS 61-79-007PR), May, 1979. 34 p.
- Wilson, O B
 Annual summary report: Range studies program
 Final rep. for period Oct., 1978 to Sept., 1979.
 Naval Postgraduate School, (NPS-61-80-001PR), Nov.,
 1979. 25 p.

DEFARTMENT OF PHYSICS AND CHEMISTRY
TECHNICAL REPORTS AND NOTES (cont'd)

Wilson, O B; Helton, R A
Acoustic properties of sediments at weapons test ranges
of the Naval Undersea Warfare Engineering Station,
Keyport, Washington
Sponsored by Naval Undersea Warfare Eng. Station.
Naval Postgraduate School, (NPS61-79-005), June,
1979. 46 p.

Woehler, K E: Harrison, D E: Moose, P H
Cybernetic models of military C-cubed-I systems: A
progress report
Sponsored by Director of Net Assessment, Office of
the Secretary of Defense. Naval Postgraduate School,
(NPS-61-79-C10PR), Aug., 1979. 55 p.

DEFARIMENT OF ELECTRICAL ENGINEERING CONFERENCE PRESENTATIONS

- Baycura, C M
 A nonlinear transform
 Symp. on The Information Linkage Between Appl. Math.
 and Industry, Naval Postgraduate School, Honterey,
 Calif., Feb. 23-25, 1978.
- Hoisington, D B: Roder, P
 The electronic warfare curriculum at the Naval
 Postgraduate School
 5th Ann. Prowler EW Symp., NAS, Whidbey Is.,
 Washington, July, 1976.
- Hoisington, D B: Thomas, C J
 The Navy's educational programs in electronic warfare
 Presented at the Tri-Service Electronic Warfare Conf.
 at the Naval Postgraduate School, May 3-5, 1977.
- Myers, G A
 Internal modulation (IM) of sinusoidal carrier waves
 SIEEM, Monterrey, Mexico, Sept. 19-23, 1977.
- Myers, G A Integrated circuit frequency demodulators SIEEM, Monterrey, Mexico, Sept. 19-23, 1977.
- Panholzer, R
 High performance building blocks for microprogrammed systems
 We scon Professional Program, Los Angeles, Calif., Tech. Session No. 26, 1976.
- Panholzer, R
 Advanced pocket calculators
 IEFE. Int. Convention, Electro 76, Boston, Mass.,
 Tech. Session No. 32, 1976.
- Panholzer, R
 Pocket calculator update
 Wescon Professional Program, Los Angeles, Calif.,
 Tech. Session No. 7, 1976.
- Powers, J P
 IE/EO technology base I
 Electronic Warfare, Naval Postgraduate School,
 Monterey, Calif., Dec. 4-9, 1978.

- 1

Powers, J P: DeBlois, J R Y: Culpepper, C
Computer-aided accustic imaging system using backward
wave propagation
4th Int. Symp. on Ultrasonic Imaging and Tissue
Characterization, Nat. Bureau of Standards,
Gaithersburg, Md., June 18-20, 1979.

DEFARTMENT OF ELECTRICAL ENGINEERING CONFERENCE PRESENTATIONS (cont'd)

- Strum, R D
 The teaching of electronic engineering in degree courses
 Conf. at the Univ. of Hull, England, 1976.
- Tao, T F
 Nonrecursive MMSE spatial filter to suppress correlated spatial noise
 Presented at the 11th Asilomar Conf. on Circuits,
 Systems and Computers, Asilomar, Calif.
 IN Proc., (1977).
- Tao, T F
 Present status and future development of large scale
 memory and storage devices
 Presented to a Nat. Sci. Foundation Committee Mtg. on
 Mass Storage Develop., Palo Alto, Calif., Apr. 6,
 1977.
- Tao, T P
 Progress of birclar injection logic and short channel
 DMOS and VMOS logic
 Presented at the Inst. of Defense Analysis Symp. on
 the Utilization of Large Scale Integrated Circuits in
 Military Systems, Arlington, Va., Aug. 9-11, 1977.
- Tao, T F: Gerard, H
 CCD and SAW signal processing
 Asilomar Conf. on Circuits, Systems and Computers,
 Asilomar, Calif.
- Tao, T F; Holmes, S; Campbell, J; Pollack, M; Sklavanos, G Comparative sensitivity studies of sampled analog SAW, CTD and digital processors Presented at NATO AGARD Symp. on Impact of Charge Coupled Devices and Surface Acoust. Wave Devices in Signal Processing and Imagery in Advanced Systems, Ottawa, Canada, Oct. 11-15, 1977.
- Tao, T F; Holmes, S; Plenning, K
 Present status of real time signal processor development
 Military Defense Electronics Expo Conf., Weisbodem,
 W. Ber, Oct. 6-8, 1976.
- Tao, T F: Ku, W
 Theory and applications of recursive CTD sampled analog filters
 Presented at NATO AGARD Symp. on Impact of Charge Coupled Devices and Surface Acoust. Wave Devices in Signal Processing and Imagery in Advanced Systems, Ottawa, Canada, Oct. 11-15, 1977.

DEPARTMENT OF ELECTRICAL ENGINEERING CONFERENCE PRESENTATIONS (cont'd)

- Thaler, G J; Drurey, H L
 Nonlinearities in a submarine depth and pitch control
 Hilwaukee Symp. on Automatic Control, 1976.
- Thaler, G J: Uhrin, J J
 Design of a nonlinear speed control system
 Milwaukee Symp. on Automatic Control, 1976.
- Thaler, G J: Van Tansel, P
 Singular surfaces in a parameter space with applications to feedback control systems
 Conf. on Information Sciences and Systems at Johns Hopkins Univ., 1976.
- Titus, H A
 Non-command guidances scoring
 Crossbow Conf., Ft. Worth, Tex., Sept., 1978.
- Titus, H A: Beaudet, C: Watts, K
 EA-6B mission planning program
 24th Ann. Joint Electronic Warfare Conf., Naval
 Postgraduate School, May, 1977.
- Titus, H A: Shumaker, R
 An analysis of optimum methods of decontroling a missile
 24th Ann. Joint Electronic Warfare Conf., Naval
 Postgraduate School, May, 1977.
- Wozencraft, J M
 Dynamic network routing
 Data Networks, Massachusetts Inst. of Technol.,
 Cambridge, Mass., Dec. 14, 1977.

DEFARTMENT OF ELECTRICAL ENGINEERING CONTRIBUTIONS TO BOOKS

- Parker, S R
 Limit cycles and correlated noise in digital filters
 (Ch.)

 IN J. K. Aggarwar, ed.: Signal processing and
 digital filters. Western Periodicals, 1978.
- Powers, J P
 Computer simulation of linear acoustic diffraction
 IN L. W. Kessler, ed.: Acoustical holography,
 vol. 7, New York, N. Y., Plenum Press, 1977, p.
 193-205.
- Powers, J P; DeBlois, J Y R; O'Bryon, R T; Patton, J W A computer aided ultrasonic imaging system
 IN A. F. Metherell, ed.: Acoustical holography, vol. 8, Plenum Press, 1979, p. 233-248.
- Titus, H A 10th Asilomar Conference proceedings Western Periodicals, Nov., 1976.

DEFARTMENT OF ELECTRICAL ENGINEERING JOURNAL PUBS & CCNFERENCE PROCS

- Burton, R W
 On measuring elliptically polarized surface currents
 Nat. Conf. on Electromagnetic Scattering, 1976.
 IN Proc., p. 132-135, (1976).
- Burton, R W; Beyatte, W E
 Charge and current distributions on cross-monopole
 transmitting antenna
 1977 Int. Scientific Radio Union (URSI), Stanford,
 Calif., June, 1977.
 IN Proc.
- Burton, R W: King, R W P
 Measured currents and charges on thin crossed antennas
 in a plane-wave field
 IEEE Trans. on Antennas and Propagation, vol. AP-23,
 no. 5, p. 657-664, (1976).
- Burton, R W; King, R W P
 Surface currents and charges on an electrically thick
 conducting tube in an E-polarized, normal-by-incident,
 plane-wave field. II: Measurements
 Radio Sci., vol. 11, nos. 8, 9, p. 701-711, (1976).
- Burton, R W; King, R W P
 Surface currents and charges on an electrically thick
 conducting tube in an E-polarized, normal-by-incident,
 plane-wave field. I: Theory
 Radio Sci., vol. 11, nos. 8, 9, p. 687-699, (1976).
- Burton, R W: King, R W P: Shen, L E
 Electric and magnetic fields induced on the surfaces of
 electrically thin and thick cylinders and crossed
 cylinders by an incident plane wave
 Nat. Conf. on Electromagnetic Scattering, 1976.
 IN Proc., p. 45-48, (1976).
- Burton, R W: Selim, J D
 Infrared detection of surface charge and current
 distributions
 1977 Int. Microwave Symp., San Diego, Calif., June,
 1977.
 IN Proc.
- Chan, S G
 On modified transmittal Butterworth-Chelyhen filter
 Presented at the 20th Midwest Symp. on Circuits and
 Systems, Lubbock, Tex., Aug. 15-17, 1977.
 IN Proc., p. 116-118.

400

DEPARTMENT OF ELECTRICAL ENGINEERING
JOURNAL PUBS & CCNFERENCE PROCS (cont'd)

- Hoisington, D B; Alexander, S J
 A theoretical and experimental investigation of
 phase-front distortion jamming (U)
 21st Ann. Tri-Service Electronic Warfare Conf., Air
 Force Academy, Colorado Springs, Colo., May, 1976.
 IN Proc., (ASD-TR-76-23), 1976.
- Hoisington, D B; Carrell, C E
 Improved sweep waveform generator for bistatic radar
 12th Ann. Joint Electronic Warfare Conf., Aberdeen
 Proving Ground, Md.
 IN Proc., (1976).
- Hoisington, D B: Carroll, C E Improved sweep waveform generator for bistatic radar Intelligence and Radar ECM/ECCM (U), vol. 1, (1976).
- Hoisington, D B: Knorr, J B
 The Soviet click jammers and the threat to the U.S.
 Navy radars
 23rd Ann. Jcint Electronic Warfare Conf., Aberdeen,
 Md. U.S. Army Proving Grounds.
 IN Proc., U.S. Army, p. 24, (1978).
- Hoisington, D B: Persell, R A
 The Navy's postgraduate programs for electronic warfare
 J. Electronic Defense, vol. 2, no. 5, p. 59-60, 62,
 98, (Sept./Cct., 1979).
- Hoisington, D B: Titus, H A
 Electronic warfare in missile design
 Colloquium on the Des., Develop., and Evaluation of
 Navy Tactical Missile Systems, Naval Postgraduate
 School, Monterey, Calif., Apr., 1976.
 IN Proc.
- Karmarkar, J S; Thaler, G J
 Design of phase-locked loops on the parameter plane
 Trans. Aeronautical and Astronautical Soc. of the
 Republic of China, vol. 11, no. 1, p. 95-115, (Nov., 1977).
- Kirk, D E; Hewett, M D Trajectory optimization using a second-order epsilon method AIAA J. Aircr., vol. 13, no. 3, p. 174-179, (1976).

DEPARTMENT OF ELECTRICAL ENGINEERING

JOUENAL PUBS & CONFERENCE PROCS (cont'd)

- Myers, G A
 New IC's for telecommunications systems: An overview
 WESCON '78, Ios Angeles, Calif., Sept., 1978.
 IN Proc., Electronic Conventions, p. 34, (1978).
- Ohlson, J E
 Shipboard satellite communication systems
 IN Nav. Res. Revs., vcl. 29, no. 2, p. 31,
 (1976).
- Ohlson, J E
 A correlation polarimeter for noise-like signals
 IEEE Trans. Aerospace and Electronic Systems, vol.
 AES-12, no. 2, p. 245-254, (1976).
- Ohlson, J E
 Shipboard RFI considerations
 1976 Nat. Telecommunications Conf., Dallas, Tex.
 IN Proc., p. 43.6-1 to 43.6-3, (1976).
- Ohlson, J E
 Statistics of the first-order phase-locked loop with
 fluctuating signal amplitude
 IEEE Trans. on Communications, vol. COM-26, no. 10,
 p. 1472-1474, (1978).
- Parker, S R
 Synthesis of N-dimensional recursive digital filters by
 Taylor series expansion
 IEEE Trans. cn Circuits and Systems, vol. CAS 24, no.
 1, p. 28-34, (1977).
- Parker, S R
 Modeling for fault tolerance
 IN Proc., Industry/Joint Services Automatic Test
 Conf., Nat. Security Ind. Assoc., p. 82-83,
 (1978).
- Parker, S R: Girard, P E
 Correlated noise due to roundoff in fixed point digital
 filters
 IEEE. Trans. Circuits and Systems, vol. CAS-23, no.
 4, p. 204-211, (1976).

DEPARTMENT OF ELECTRICAL ENGINEERING
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Parker, S R; Ko, S J
 A two dimensional adaptive recursive digital filter in image processing
 IEEE Int. Symp. on Circuits and Systems, New York,
 May, 1978.
 in Proc., (IEEE #78CH138-ICAS), p. 308-312,
 (1978).
- Parker, S R; Perry, F A
 Hidden limit cycles and error bounds in wave digital
 filters
 IEEE Int. Symp. on Circuits and Systems.
 IN Proc., (IEEE #79CH1421-7CAS), p. 372-373,
 (1979).
- Parker, S R; Souchon, L A design technique to an N-dimensional recursive filter IEEE. Int. Symp. on Circuits and Systems, Munich, Germany, Apr., 1976. IN Proc., p. 367-368, (1976).
- Powers, J P
 An FM-CW laser radar incorporating an acousto-optic modulation
 IEEE. Ultrasonics Symp., Annapolis, Md., Oct., 1975.
 IN IEEE. Trans. on Schics and Ultrasonics, (1976).
- Powers, J P
 Computer simulation of linear acoustic diffraction
 7th Int. Symp. of Acoust. Holography, Chicago, Ill.,
 Sept., 1976.
 IN Proc., (1976).
- Powers, J P; DeBlois, J R Y; O'Eryon, R T; Patton, J W
 A computer aided ultrasonic imaging system
 8th Int. Symp. on Acoust. Imaging, Key Biscayne,
 Fla., May 29-June 2, 1978.
 IN Alex Metherell, ed.: Acoustic holography, vol.
 8. Plenum Press, 1978.
- Powers, J P: Fraufelder, M: Chance, T
 A CO2 laser FM-CW ranging and velocity measurement
 system incorporating an acoustooptic modulator
 IEEE Ultrasonics Symp., Anapolis, Md., Sept. 29-Oct.
 1, 1976.
 IN IEEE. Trans. on Sonics and Ultrasonics, (1976).

DEPARTMENT OF ELECTRICAL ENGINEERING
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Powers, J P: O'Bryon, R T; Patton, J W
 An ultrasonic imaging system incorporating
 computer-aided coherent processing
 94th Mtg. Accust. Soc. Am., Miami Beach, Pla., Dec.
 12-16, 1977.
 IN J. Acoust. Soc. Am., vol. 62, suppl. no. 1, p.
 522, (1977).
- Rahe, G A: Robbins, C B
 Spotlight
 J. Acoust. Soc. Am., vol. 61, (1977).
- Sackman, G L; Shelef, S C
 The use of time-delay/phase difference trace functions for bearing estimation in arrays
 ONE Conf. on Time Delay Estimation and Applications,
 Naval Postgraduate School, Monterey, Calif., May 1-3,
 1979.
 IN Proc., vol. I, Naval Underwater Systems Center,
 (1979).
- Sackman, G L: Shelef, S C
 Time-delay/phase difference trace functions for bearing estimation in arrays
 13th Asilcmar Conf. on Circuits, Systems and Computers, Pacific Grove, Calif., Nov. 5-7, 1979.
 IN Proc., NPS/IEEE, (1979).
- Strum, R D; Kirk, D E
 Engineering mathematics: Who should teach it and how?
 IEEE Trans. cn Educ., vcl. E-22, no. 2, p. 85-88,
 (May, 1979).
- Tao, T F
 Charge transport devices
 Nav. Res. Rev., vol. 29, no. 2, p. 19-23, (1976).
- Tao, T F

 Real time signal processing

 22nd Conf. of the Soc. of Photo-Optical
 Instrumentation Engrs., San Diego, Calif., Aug.

 28-31, 1978.

 IN Proc., vol. 154, p. 1-8, (1978).
- Tao, T F; Bar Yehoshua, D; Martinez, R
 Present status and future developments of large scale
 memory and storage devices
 1977 Symp. on Automated Production, Storage,
 Retrieval and Display of Digitized Eng. Data, Naval
 Postgraduate School, Jan. 13-14, 1977.
 IN Proc., p. 122-134, (1977).

TWEETER

DEPARTMENT OF ELECTRICAL ENGINEERING

JOURNAL PUBS & CCNFERENCE PROCS (cont'd)

- Tao, T F: Bar Yehoshua, O: Martinez, R
 Applications of microprocessors to control problems
 1977 Joint Automatic Control Conf., San Francisco,
 Calif., June 22-24, 1977.
 IN Proc., p. 8-16, (1977).
- Tao, T F: Baryehoshua, D: Evenor, B; Adkins, J
 Statistical nonrecursive spatial filter for processing of infrared mosaic sensor images
 22nd Conf. of the Soc. of Photo-Optical
 Instrumentation Engrs., Aug. 28-31, 1978.
 IN Proc., vol. 156, p. 10-19, (1978).
- Tao, T F; Campbell, G; Pollack, M
 Sensitivity study of the chirp z transform and the prime transform as sampled analog discrete Fourier transform algorithms
 10th Asilomar Conf. on Circuits, Systems and Computers, Asilomar, Calif., Nov., 1976.
 IN Proc., p. 372-380, (1976).
- Tao, T F: Holmes, S with others
 Sensitivity study of sampled analog signal processing
 19th IEEE Midwest Symp. on Circuits and Systems,
 Milwaukee, Wis., Aug., 1976.
 IN Proc., p. 430-439, (1976).
- Tao, T F: Holmes, S with others
 Theory and applications of sampled analog recursive CTD comb filters
 Conf. on Charge Coupled Device Technol. and Applications, Washington, D. C., Dec., 1976.
 IN Proc., p. 1-10, (1976).
- Tao, T P; Saetre, I with others
 Recursive CTD ccmb filter and its applications to MTI radar signal processing
 1976 Government Microcircuit Applications Conf.,
 Orlando, Pla., Nov., 1976.
 IN Proc., p. 246-249, (1976).
- Thaler, G J
 Control systems simulation studies and automated design
 Symp. on Automatic Control, Nat. Taiwan Univ.,
 Taipei, Taiwan, Dec. 16, 1978.
 IN Proc., p. i-xix, (1978).

DEPARTMENT OF ELECTRICAL ENGINEERING
JOUFNAL PUBS & CCNFERENCE PROCS (cont d)

- Thaler, G J: Karmarkar, J S
 Design of phase locked loops on the parameter plane
 Trans. Aeronautical and Astronautical Soc. of the
 Republic of China, vol. 11, no. 1, p. 95-115, (Nov.,
 1977).
- Thaler, G J: Romerc, E Simulation of ocean vehicles Nav. Eng. J., vol. 91, no. 1, p. 81-86, (Feb., 1979).
- Titus, H A: Hoisington, D B
 Electronic warfare in missile design
 Colloquium on the Des., Develop. and Evaluation of
 Navy Tactical Missile Systems. Naval Postgraduate
 School, Monterey, Calif., Apr. 25-30, 1976.
 IN Proc.
- Titus, H A: Shachar, M
 The image processing algorithms for IR target tracking
 10th Asilomar Conf. on Circuits and Systems,
 Asilomar, Calif.
 IN Proc., (1976).

DEPARTMENT OF ELECTRICAL ENGINEERING TECHNICAL REPORTS AND NOTES

- Adler, R W
 Electromagnetic compatibility survey
 Naval Postgraduate School, (NPS-62Ab770901), 1977.
 v. p.
- Adler, R W
 "ASAP" antennas-scatterers analysis program: A
 user-oriented thin wire antenna computer code
 Naval Postgraduate School, (NPS-62Ab770801), 1977.
 133 p.
- Baycura, C M Alternative Seafarer concepts Naval Postgraduate School, (NPS 62-79-009PR), Aug., 1979. 9 p.
- Duffin, J H
 Investigation of airborne chemical concentrations in
 certain work areas of Naval Air Rework Facility at North
 Island, Calif.
 Naval Postgraduate School, (NPS-62Dn76121), 1976.
 113 p.
- Duffin, J H
 A study of the aircraft engine emissions catalog in its present form: Suggestions regarding a proposed summary catalog
 Aircraft Environmental Support Office, North Island, Calif., (AESO 101-78-01), 1978. 50 p.
- Duffin, J H
 Use of portable infrared airborne vapor concentration
 detection device for calibration for and monitoring of
 materials in use at various work areas of Naval Air
 Rework Facility at North Island, Calif.
 Naval Postgraduate School, (NPS-62Du78-010), 1978.
 45 p.
- Gerba, J A: Thaler, G J
 A method for scaling the heave motion equations of the C.A.B. 6-D.O.F. loads and motion program from model to full-size craft
 Sponsored by the Naval Sea Systems Command (PMS-304),
 Surface Effect Ship Project Office. Naval
 Postgraduate School, (NPS-6277002), 1977. 42 p.
- Gerba, J A: Thaler, G J
 Pressure ratio effect on the heave motion
 characteristics and pressure dynamics of the XR-3 loads
 and motion program for step weight transients
 Naval Postgraduate School, (NPS-62Tr-77011), 1977.

ì

7

DEFARTMENT OF ELECTRICAL ENGINEERING TECHNICAL REPORTS AND NOTES (cont'd)

- Gerba, J A: Thaler, G J
 Frequency response studies of ambient pressure effects
 on the XR-3 computer program (6-D O. F.)
 Naval Postgraduate School, (NPS-62Tr77091), 1977.
- Gerba, J A: Thaler, G J
 Pressure ratio effects on the heave motion
 characteristics and pressure dynamics of the XR-3 loads
 and motion program for step weight transients
 Naval Postgraduate School, (NPS-62Tr77011), 1977.
- Gerba, J A: Thaler, G J
 Frequency response studies of ambient pressure effects on the XR-3 computer program (6-D.O.F.)
 Naval Postgraduate School, (NPS-62Tr-77091), 1977.
- Gerba, J A: Thaler, G J
 Sensitivity analysis of the XR-3 heave equations to changes in plenum air leakage and influx rates
 Sponsored by the Naval Sea Systems Command (PMS-304),
 Surface Effect Ship Project Office. Naval
 Postgraduate School, (NPS-6278008PR), Sept., 1978.
 90 p.
- Hoisington, D B
 Magnetic ranging and magnetic sensors for the TRIDENT program (U)
 Naval Postgraduate School, (NPS-62Hs-77031), 1977.
- Hoisington, D B; Alexander, S J
 A theoretical and experimental investigation of
 phase-front distortion jamming
 Naval Postgraduate School, (NPS-52Hs7601), 1976. 35
 p.
- Hoisington, D B: Knorr, J B
 Soviet Naval electronic warfare (U), the Soviet click
 jammers and the threat to U. S. Navy radars: Initial
 effort (U)
 Sponsored by the Naval Intelligence Support Center.
 Naval Intelligence Command, (NIC-1732R-002-78), 1978.
 33 p.
- Hoisington, D B; Thomas, C J
 The Navy's educational programs in electronic warfare
 Naval Postgraduate School, (NPS-73Hs-77051), 1977.

DEFASTMENT OF ELECTRICAL ENGINEERING TECHNICAL REPORTS AND NOTES (cont'd)

- Jaurequi, S: Cummins, E J: Vincent, W R
 Field multicoupler study for intermodulation products
 and parasitic oscillations
 Naval Postgraduate School, (NPS62-79-006PR), July,
 1979. 57 p.
- Knorr, J E
 Dielectric loaded finned waveguide study
 Naval Postgraduate School, (NPS-62Ko77031A), 1977.
 53 p.
- Knorr, J B
 Soviet Naval electronic warfare (U), effectiveness of
 Soviet click jammers against U. S. Naval radars:
 General considerations (U)
 Sponsored by Naval Intelligence Support Center.
 Naval Intelligence Command, (NIC-1732R-001-78), 1978.
 49 p.
- Knorr, J B
 A radicwave propagation data acquisition system
 Sponsored by Naval Undersea Reapons Eng. Station.
 Naval Postgraduate School, (NPS-62-79-001), Oct.,
 1978. 37 p.
- Knorr, J B
 A dual channel radiowave propagation data acquisition and transmission system
 Report for period Oct. 1, 1978 Sept. 30, 1979.
 Naval Postgraduate School, (NPS-62-79-010PR), Sept., 1975. 36 p.
- Knorr, J B
 A model for estimating radiowave acquisition receiving
 system intercept probability
 Naval Postgraduate School, (NPS 62-79-005), June,
 1979. 37 p.
- Knorr, J B
 Annual summary report, range studies program
 Naval Postgraduate School, (NPS-71W176081), 1976. 12
- Myers, G A; Kilborn, E Interval modulation (IM) of a sinusoidal carrier Naval Postgraduate School, (NPS-62Mv-77031), 1977.

DEFARTMENT OF ELECTRICAL ENGINEERING TECHNICAL REPORTS AND NOTES (CONt'd)

- Ohlson, J E; Adler, R W; Hollar, B K
 .Evaluation of the AS-3018/WSC-1(V) shipboard SATCOM
 antenna
 Naval Postgraduate School, (NPS--52Ab76031), 1976.
 61 p.
- Ohlson, J E: Arneson, D C
 A level density analyzer for shipboard RFI measurements
 Naval Postgraduate School, (NPS-620176107), 1976. 83
 p.
- Ohlson, J E: Brick, E S
 A simplified simulator for shipboard radio frequency interference in satellite communications
 Naval Postgraduate School, (NPS-620176109), 1976.
 264 p.
- Ohlson, J E: Carlson, R F
 Guard bands and hardware modifications for RFI reduction
 in AN/WSC-3 and AN/SSR-1 satellite communications units
 Naval Postgraduate School, (NPS-620176121), 1976.
- Ohlson, J E: Carlson, R F
 Performance of the AN/WSC-3 and AN/SSR-1 satellite
 communications units in the presence of pulsed radar
 noise
 Naval Postgraduate School, (NPS-620176122), 1976.
- Ohlson, J E; Carlson, R F
 Receiver desensitization of the AN/WSC-3 satellite
 communications set
 Naval Postgraduate School, (NPS-620176091), 1976.
- Ohlson, J E: Carlson, R F
 Bit-error rate measurements on the AN/WSC-3 and AN/SSR-1
 satellite communications sets
 Naval Postgraduate School, (NPS-620176102), 1976. 60
- Ohlson, J E: Carlson, R F
 Receiver desensitization of the AN/SSR-1 satellite
 communications receiver
 Naval Postgraduate School, (NPS-620176101), 1976.
- Ohlson, J E: Landry, T C
 Shipboard radio frequency interference in UHF satellite
 communications
 Naval Postgraduate School, (NPS-620176103), 1976.

Service Control

DEPARTMENT OF ELECTRICAL ENGINEERING TECHNICAL REPORTS AND NOTES (cont'd)

- Ohlson, J E: Mace, F E
 A high level noise blanker and RF amplifier system for
 the UHF band
 Naval Postgraduate School, (NPS-620176106), 1976.
 107 p.
- Ohlson, J E: Meno, T E B
 ITU registrations and Navy UHF SATCOM
 Naval Postgraduate School, (NPS-620176104), 1976.
 174 p.
- Ohlson, J E; Parker, G B
 Deck boxes for UHF SATCOM radio frequency interference
 study
 Naval Postgraduate School, (NPS-620176105), 1976. 55
- Ohlson, J E; Reid, M S
 Conical scan tracking with the 64-M-diameter antenna at
 Goldstone
 Jet Propulsion Lab., Calif. Inst. Technol., Pasadena,
 Calif., (TR-12-1605), 1976.
- Ohlson, J E: Shuff, A R
 Instrumentation package for measurement of shipboard RFI
 Naval Postgraduate School, (NPS-620176108), 1976. 73
 P.
- Powers, J P: Regan, P W
 Acoustio-optic spectrum analysis and narrowband
 interference excision in wideband signal environments
 Sponsored by Naval Electronics System Command. Naval
 Postgraduate School, (NPS 62-7-011), Sept., 1979.
- Powers, J P: Vance, C E
 SA-7, MOD 1, Grail missile seeker system simulation for
 quidance degradation studies
 Sponsored by Naval Air Systems Command. Naval
 Postgraduate School, (NPS 62-79-001), Sept., 1979.
 149 p.
- Rothauge, C H; Wilcox, M L; Baycura, O M; Burton, R M
 RMS system reliability study
 Naval Postgraduate School, (NPS-6278005PR), 1977. 16
 p.
- Sackman, G L
 Puture magnetic ranging requirements for Trident and the feasability of simultaneous magnetic and acoustic ranging (U)
 Naval Postgraduate School, (NPS-717700PR), 1977.

DEPARTMENT OF ELECTRICAL ENGINEERING TECHNICAL REPORTS AND NOTES (cont'd)

- Sackman, G L
 Non-acoustic sensors
 IN O. B. Wilson, ed.: Range studies program:
 Annual summary report, Naval Postgraduate
 School, (NPS-7W176081), 1977. 13 p.
- Sackman, G L
 On-board measurement real-time analysis and display
 system specification
 Sponsored by Naval Underwater Systems Center. Naval
 Postgraduate School, (NPS 62-79-007-PR), July, 1979.
 50 p.
- Sackman, G I
 High resolution sonar concept formulation
 Sponsored by Naval Coastal Systems Center. Naval
 Postgraduate School, (NPS-62-79-012PR), Oct., 1979.
 17 p.
- Sackman, G L: Davis, W O: Donaldson, P H
 Introduction to acoustic signal processing
 Naval Postgraduate School, (NPS-62Sa77111), 1977.
 163 p.
- Sackman, G L
 Annual summary report range studies program
 Naval Postgraduate School, (NPS-71W176081), 1976. 10
 p.
- Stentz, D A
 A brief survey cf adaptive control systems
 Naval Postgraduate School, (NPS-62Sz77071). 11 p.
- Stentz, D A A brief survey cf adaptive control systems Naval Postgraduate School, (NPS-6278003), 1978. 30 p.
- Stentz, D A
 Annual summary report range studies program
 Naval Postgraduate School, (NPS-71W176081), 1976. 18
 p.
- Tao, T F: Pierret, R An evaluation of integrated injection logic (FAA-RD-77-137), Aug., 1977.

DEPARTMENT OF ELECTRICAL ENGINEERING TECHNICAL REPORTS AND NOTES (cont'd)

- Thaler, G J; Gerba, J A

 Development of a real-time hybrid computer simulation of the 3K-SES, 5DOF, data-based program. Part I:

 Familiarization and planning

 Sponsored by Naval Sea Systems Command (PMS-304).

 Naval Postgraduate School, (NPS 62-79-008), July, 1979. 58 p.
- Titus, H A
 Advances in passive target tracking
 Volumes I & II, Naval Postgraduate School, May, 1977.
- Titus, H A; Homer, C D; Kirk, D
 The applications of extended Kalman filtering to the position locations reporting systems
 1976

DEFARTMENT OF METEOROLOGY CONFERENCE PRESENTATIONS

- Chang, C P
 Study of planetary and synoptic-scale waves of the
 Northern summer monsoon
 GARP Study Conf. on Numerical Modeling of the
 Tropics, Exeter, UK, Apr., 1976.
- Chang, C P: Delaney, D M
 Possible influences of sea-surface temperature on the equatorial Pacific
 RMS/RS/AMS/DMG Conf. on Meteorology over the Tropical Oceans, London, U. K., Aug. 21-25, 1978.
- Davidson, K L
 Evidence of wind wave coupling in overwater turbulence
 Space Div. Seminar Series (RAE), Royal Aircraft
 Establishment (RAE), Farnbourogh, U.K., Nov. 23,
 1978.
- Davidson, K L
 Stability and flux estimates in marine fog regimes
 4th Ann. Mar. Fog Propagation Rev., Reno, Nev., Jan.,
 1976.
- Davidson, K L
 Role of intermittancies in obtaining bulk estimates of small turbulence scale properties
 Workshop on Remote Sensing of the Mar. Boundary
 Layer, Vail, Colo., Aug., 1976.
- Davidson, K L
 Estimating air-sea transfer parameters from shipboard
 measurements and recent surface layer formulations
 Meteorological Inst. Seminar, Univ. of Bergen,
 Bergen, Norway, Dec. 10, 1978.
- Davidson, K L
 Estimating surface fluxes from bulk parameters
 KNMI Seminar Series (Res. Div.), KNMI (Netherlands
 Weather Service), DeBilt, Netherlands, Nov. 20, 1978.
- Davidson, K L
 Relating changes of the inversion strength to surface layer mixing
 NEPRF Workshop on High Energy Laser Interpretations of Meteorological Predictions & Analyses, Naval Environmental Prediction Res. Facility (NEPRF), Monterey, Calif., Feb. 29, 1979.

- 3

DEPARTMENT OF METEOROLOGY CONFERENCE PRESENTATIONS

(cont'd)

- Davidson, K L
 Surface flux scaling of atmospheric surface and mixed
 layer properties
 Institute fur Meteorologie Seminar, Univ. of Mainz,
 Mainz, F. R. G., May 8, 1979.
- Davidson, K L
 Observational results on the stability influence on aerosol distributions
 Air Chemistry Seminar Series (MPI),
 Max-Planck-Institut fur Chemie (MPI), Mainz, F. R. G.
 July 19, 1975.
- Davidson, K L
 Surface layer descriptions of sea salt concentrations
 based on Monin Chuhkov scaling
 Department of Phys. Seminar (RISO), RISO Nat. Lab.,
 Roskilde, Denmark, July 2, 1979.
- Davidson, K L
 Surface flux scaling of fine structure turbulence
 (temperature and velocity) over ocean waves
 Phys. Department Seminar Series (RISO), RISO Nat.
 Lab., Roskilde, Denmark, Jan. 5, 1979.
- Davidson, K L
 Application of recent turbulence models to describing aerosol distributions
 Department of Phys. Seminar, Univ. College Galway, Galway, Ireland, Mar. 28, 1979.
- Davidson, K L; Fairall, C W; Hculihan, T M; Schacher, G E Evaporation duct height measurements
 7th CANCAM Conf., Sheobrooke, Canada, May, 1978.
- Davidson, K L: Schacher, G E
 Review of NFS accomplishments in NAVY EO/MET program
 NAVMET EO/MET Bev. (NRL), Naval Res. Lab.,
 Washington, D. C., Feb. 9, 1979.
- Elsberry, R L
 Progress in tropical cyclone forecasting
 Global Extended Range Automated Environmental
 Prediction System Coordination Mtg., Monterey,
 Calif., Nov., 1976.
- Elsberry, R L
 Developmental experiments for a Western Pacific tropical cyclone forecast model
 Joint Organizing Committee Study Conf. on the Develop. of Numerical Models in the Tropics, Exeter, England, Apr., 1976.

DEPARTMENT OF METEOROLOGY CONFERENCE PRESENTATIONS

(cont'd)

- Elsberry, R L: Camp, N T
 Role of strong atmospheric forcing events in modeling of oceanic thermal structure
 Ocean Forecasting Workshop, Monterey, Calif., June, 1976.
- Elsberry, R L: Shewchuk, J D: Walters, T P
 Effects on initial data on a dynamical model of tropical
 cyclone motion
 Conf. on Meteorology over the Tropical Oceans,
 London, England, Aug., 1978.
- Haney, R I
 A numerical study of the formation of upper ocean
 thermal anomalies during the fall and winter of 1976-77
 1978 Fall Mtg. Am. Geophys. Union, San Francisco,
 Calif., Dec. 4-8, 1978.
- Haney, R I
 The oceans effects on long term weather variabilities
 The World of the Ocean, (Girl Scouts of Am.),
 Asilomar, Calif., Apr. 28-30, 1978.
- Lau, K M W
 Northeasterly cold surges and near-equatorial
 disturbances over winter MONEX area during December 1974
 12th Technical Conf. in Hurricane and Tropical
 Meteorology, New Orleans, La., Apr. 22-28, 1979.
- Renard, R J
 A new approach to the determination of climatological marine-fog frequencies with application to the summer-fog season of the North Pacific Ocean Monterey Peninsula Ch. of Am. Meteorological Soc., Monterey, Calif., Mar., 1976.
- Renard, R J
 Recent NPS research on the obervation, climatology and forecasting of marine fog over open ocean and coastal areas
 Calspan Corporation, Buffalo, N. Y., Apr. 5-7, 1977.
- Renard, R J
 The prototype automatic weather station platform,
 Antarctica 1975-77 (and errata)
 Polar Buoy Mtg., IAGA/IAMAP Conf. of IUGG, Univ. of
 Wash., Seattle, Wash., Aug. 22-Sept. 3, 1977.

194

DEFARTMENT OF METEOROLOGY CONFERENCE PRESENTATIONS

(cont'd)

- Renard, R J
 Observation, analysis and prediction of marine fog
 Program Review for Exploratory Development Program:
 Atmospheric Environmental Support, Naval
 Environmental Frediction Res. Facility, Monterey,
 Calif., Mar. 30-31, 1978.
- Renard, R J
 Evaluation of remote weather station data and the airborne research data system in the Antarctic U. S. Antarctic Res. Program, 1978 Orientation Session, Arlington, Va., Sept. 17-20, 1978.
- Renard, R J
 Marine fog forecasting: Application of model output
 statistics to forecasting air/ocean parameters important
 to Navy operations
 1979 Program Rev. for Exploratory Develop. Program,
 Atmos. Environmental Support, Naval Environmental
 Prediction Res. Facility, Monterey, Calif., Apr. 3-4,
 1979.
- Williams, R T
 Frontogenesis
 Anomaly Dynamics Workshop, Naval Postgraduate School,
 Monterey, Calif., Apr. 19-20, 1979.
- Williams, R T; Chang, C P; Tupaz, J B
 Study of planetary and synoptic-scale waves of the
 northern summer mensoon
 GARP Study on Tropical Numerical Modeling, Exeter,
 England, Apr., 1976.

DEFARTMENT OF METEOROLOGY CONTRIBUTIONS TO BOOKS

- Chang, C P: U. S. Monex Panel
 Plan for U.S. participation in the monsoon experiment
 Nat. Academy of Sciences, 1977. 126 p.
- Elsberry, R L
 Upwelling in the ocean (Ch. 11)
 IN Modelling and prediction of the upper layers
 of the ocean, New York, N. Y., Pergamon Press,
 1977, p. 178-228.
- Elsberry, R L
 Prediction of atmospheric flows on nexted grids
 IN K. C. Fark and D. K. Garthing, Computational
 techniques for interface problems, AMD-vol. 30,
 Am. Soc. of Mech. Engrs., 1979, p. 67-85.
- Renard, R J
 Weather elements (Ch. 28)
 IN American practical navigator, vol. 1. Defense
 Mapping Agency Hydrographic Center, (Public no. 9), 1977, p. 863-889.

THE REAL PROPERTY.

DEFARTMENT OF METEOROLOGY JOURNAL PUBS & CONFERENCE PROCS

- Chang, C P
 Some theoretical problems of the planetary scale
 monsoons
 Pure and Appl. Geophysics, vol. 115, p. 1089-1109,
 (1977).
- Chang, C P
 Viscous internal gravity waves and low frequency oscillations in the tropics
 J. of the Atmos. Sciences, vol. 34, p. 901-910, (June, 1977).
- Chang, C P
 Reply to comments on viscous internal gravity waves and low-frequency tropical oscillations
 J. Atmospheric Sci., vol. 36, no. 3, p. 547, (Mar., 1979).
- Chang, C P: Delaney, D M: Maas, E
 Possible influences of sea-surface temperature on the
 easterly waves over the equatorial Pacific
 Papers in Meteorological Res., vol. 2, no. 1, p.
 1-13, (Apr., 1979).
- Chang, C P: Erickson, J E: Lau, K M W
 Northeasterly ccld surges and near-equatorial
 disturbances over the winter MONEX area during December
 1974. Part I: Synoptic aspects
 Mon. Weather Rev., vol. 107, no. 7, p. 812-829,
 (July, 1979).
- Chang, C P: Lau, K M W
 Northeasterly cold surges and near-equatorial
 disturbances over the winter MONEX area during December
 1974
 12th Technical Conf. on Hurricanes and Tropical
 Meteorology, AMS, New Orleans, La., Apr. 24-27, 1979.
 IN Bull. Am. Meteorological Soc., p. 1547, (Nov.,
 1979).
- Chang, C F: Miller, C
 Comparison of easterly waves in the tropical Pacific during two contrasting periods of sea-surface temperature ancmalies
 J. of the Atmos. Sciences, vol. 34, p. 615-628, (Apr., 1977).

٠, ١

DEFARTMENT OF METEOROLOGY JOURNAL PUBS & CCNFERENCE PROCS (cont*d)

- Chang, C P: Pentimonti, R J
 A numerical study of time-mean Northern summer monsoon with steady and fluctuating heating
 Indian J. Meteorology, Hydrology and Geophysics, vol. 29, no. 1-2, p. 205-214, (1978).
- Chang, C P; Tupaz, J B; Williams, R T
 A numerical study of the locally unstable barotropic
 easterly jet
 Indian J. of Meteorology, Hydrology and Geophysics,
 vol. 29, no. 1-2, p. 308-313, (1978).
- Chang, C F: Kuo, H I and others
 Theoretical studies
 Study Conf. on Develop. Numerical Models for the
 Tropics, Exeter, UK, GARP Working Group on Numerical
 Experiments.
 IN Rep., vcl. 13, p. 89-105, (1976).
- Chang, C P: Maas, E
 A case of cross-equatorial displacement of a vortex
 Mon. Weather Rev., vol. 104, p. 653-655, (1976).
- Chang, C P
 Comments on "Instability of large-scale disturbances in the tropics"
 J. Atmos. Sciences, vol. 33, p. 1667-1668, (1976).
- Chang, C P
 Barotropic instability of a spatially-varying mean flow Conf. Atmos. and Oceanic Waves and Stability, Seattle, Wash., Mar., 1976.
 IN Bull. Am. Meteorological Soc., vol. 57, p. 101, (1976).
- Chang, C P
 Vertical structure of tropical waves maintained by internally-induced cumulus heating
 J. Atmos. Sciences, vol. 33, p. 729-739, (1976).
- Chang, C P
 Viscous internal gravity waves and the low-frequency tropical oscillations
 10th Tech. Conf. on Hurricanes and Tropical Meteorology, Charlottesville, Va., July, 1976.
 IN Bull. Am. Meteorological Soc., vol. 57, (1976).

DEFARTMENT OF METEOROLOGY JOURNAL PUBS & CCNFERENCE PROCS (cont*d)

- Chang, C P
 Forcing of stratospheric Kelvin waves by tropospheric heat scurces
 J. Atmos. Sciences, vol. 33, p. 740-744, (1976).
- Chang, C P: Williams, R T: Tupaz, J B
 Study of Monsoonal circulations
 Study Conf. on Tropical Numerical Modelling, Exeter,
 England, UK, Apr., 1976.
 IN Proc.
- Davidson, K L
 Shipboard measurements of small-scale turbulence
 properties
 2nd Conf. on Ccean-Atmosphere Interactions (AMS),
 Seattle, Wash., Apr., 1976.
 IN Bull. Am. Meteorological Soc., vol. 57, p. 137,
 (1976).
- Davidson, K L
 Descriptions of optically relevant turbulence parameters
 ODDR & E Opt/Submillimeter Workshop, USAF Academy,
 Colorado Springs, Colo., Dec., 1976.
- Davidson, K L: Crittenden, E Laser transmission in the marine environment Nav. Res. Rev., vol. 26, p. 6-11, (1976).

1.

- Davidson, K L: Pairall, C W: Houlihan, T M: Schacher, G E Optimal turbulence parameters in marine boundary Lasers '78, Crlando, Fla., Dec., 1978.

 IN Proc., Sponsored by the Soc. Photo-Optical Instrumentation Engrs., p. 10, (1978).
- Davidson, K L: Houlihan, T Optically relevant turbulence parameters in the marine boundary layer Advanced Eng. Sci., vol. 3, p. 1137-1152, (1976).
- Davidson, K L: Houlihan, T
 Results on optically relevant turbulence properties in
 marine boundary layer
 SPIE/SPSE Symp., Reston, Va., Mar., 1976.
 IN Proc.
- Davidson, K L: Houlihan, T
 Turbulence effects upon laser propagation in the marine boundary layer
 SPIE Conf. on Imaging through the Atmosphere, Reston, Va., Mar., 1576.
 IN SPIE, vol. 75, p. 62-63, (1976).

DEPARIMENT OF METEOROLOGY

JOUENAL PUBS & CCNFERENCE PROCS (cont d)

- Davidson, K L: Houlihan, T M: Fairall, C W: Schacher, G E Observation of the temperature structure function parameter, C-squared-sub-T, over the ocean Boundary Layer Meteorology, vol. 15, p. 507-523, (Dec., 1978).
- Elsberry, R L
 Applications of tropical cyclone models
 Bull. Am. Meteorological Soc., vol. 60, no. 7, p.
 750-762, (July, 1979).
- Elsberry, R L
 Applications of tropical cyclone models
 8th Technical Exchange Conf., Colorado Springs,
 Colo., Nov., 1978.
 IN Proc., Air Weather Service, p. 48-61, (May,
 1979).
- Elsberry, 2 L: Adamec, D: Garwood, R W: Haney, R L
 Developmental experiments to include vertical mixing
 processes in numerical model simulations of ocean
 anomalies
 Ann. Fall Mtg. Am. Geophys. Union, San Francisco,
 Calif., Dec., 1978.
 IN frans. Am. Geophys. Union, vol. 59, no. 12, p.
 1115, (1978).
- Elsberry, R L: Adamec, D: Garwood, R W: Haney, R L
 Thermal and dynamic response of a model ocean with a
 mixed layer to hurricane forcing
 12th Technical Conf. on Hurricanes and Tropical
 Meteorology, New Orleans, La., Apr., 1979.
 IN Bull. Am. Meteorological Soc., vol. 59, no. 11,
 p. 1546, (1979).
- Elsberry, R L: Anthes, R and others
 Dynamics and modeling aspects of tropical cyclones
 Study Conf. on Develop. Numerical Models for the
 Tropics, Exeter, England, UK, Global Atmosphere Res.
 Program WGNE.
 IN Rep. nc. 13, p. 119-131, (1976).
- Elsberry, R L; Camr, N T
 Vertical heat fluxes associated with the deepening
 mixed-layer during the cooling season
 2nd Conf. on Ccean-Atmosphere Interactions.
 IN Bull. Am. Meteorological Soc., vol. 57, no. 1,
 p. 135, (1976).

DEPARTMENT OF METEOROLOGY

JOUENAL PUBS & CONFERENCE PROCS (cont d)

- Elsberry, R L; Camp, N T
 The role of strong atmospheric forcing events in modeling oceanic thermal structure
 Ann. Fall Mtg., AGU, San Francisco, Calif., Dec., 1976.
 IN EOS, vol. 57, no. 12, p. 936, (1976).
- Elsberry, R L; Camp, N T
 Oceanic thermal response to strong atmospheric forcing.
 I: Characteristics of forcing events
 J. Phys. Oceanogr., vol. 8, nc. 2, p. 206-214,
 (1978).
- Elsberry, R L; Fraim, T S; Trapnell, R N
 A mixed-layer mcdel of the oceanic thermal response to
 hurricanes
 J. Geophys. Res., vol. 81, no. 6, p. 1153-1162,
 (1976).
- Elsberry, R L: Gallacher, P C: Garwood, R W
 One-dimensional model simulations of ocean temperature
 anomaly modifications during Winter 1976-77
 Ann. Fall Mtg. Am. Geophys. Union, San Francisco,
 Calif., Dec., 1978.
 IN Trans. Am. Geophys. Union, vol. 59, no. 12, p.
 1108, (1978).
- Elsberry, R L: Garwood, R W
 Sea-surface temperature anchaly generation in relation to atmospheric storms
 Bull. Am. Meteorological Soc., vol. 59, no. 7, p. 786-789, (1978).
- Elsberry, R L: Hacunda, M: Anthes, R A
 Some tests of the Penn State mesoscale model with
 tropical cyclones
 12th Technical Conf. on Hurricanes and Tropical
 Meteorology, New Orleans, La., Apr., 1979.
 IN Bull. Am. Meteorological Soc., vol. 59, no. 11,
 p. 1546, (1979).
- Elsberry, R L; Johnson, W F
 Testing a one-dimensional ocean thermal structure prediction model with operational data
 Am. Geophys. Union Ann. Fall Mtg., San Francisco, Calif., Dec., 1977.
 IN Trans. Am. Geophys. Union, vol. 58, p. 1163.

1

DEFARTMENT OF METEOROLOGY

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Elsberry, R L: Ley, G W
 Forecasts of typhoon Irma using a nested-grid model
 Mon. Weather Rev., vol. 104, no. 9, p. 1154-1161,
 (1976).
- Elsberry, R L: Ley, G W
 On the strategy of initializing nested grid meshes in numerical weather prediction
 Mon. Weather Rev., vol. 104, no. 6, p. 797-799, (1976).
- Elsberry, R L: Paulus, R
 Salinity effects in an oceanic mixed-layer model
 Ann. Fall Mtg. Am. Geophys. Union, San Francisco,
 Calif., Dec., 1978.
 IN Trans. Am. Geophys. Union, vol. 59, no. 12, p.
 1094, (1978).
- Elsberry, R L; Perry, R; Hinsman, D
 Experiments with a nested grid model for tropical
 cyclone motion forecasts
 Conf. on Simulation of Large-Scale Atmos. Processes,
 Hamburg, Germany, Aug./Sept., 1976.
 IN Proc., p. 162-165, (1976).
- Elsberry, R L: Raney, S D
 Sea-surface temperature response to variations in atmospheric wind forcing
 J. Phys. Oceanogr., vol. 8, no. 5, p. 881-887, (1978).
- Elsberry, R L: Thompson, W J: Read, R R
 A statistical analysis of eastern Pacific tropical
 cyclone forecast errors
 12th Technical Conf. on Hurricanes and Tropical
 Meteorology, New Orleans, La., Apr., 1979.
 IN Bull. Am. Meteorological Soc., vol. 59, no. 11,
 p. 1538, (1979).
- Fairall, C W: Davidson, K L: Schacher, G E
 Humidity effects on sea salt contamination of
 atmospheric temperature sensors
 J. Appl. Meteorology, vol. 18, no. 19, p. 1237-1239,
 (Sept., 1979).
- Haltiner, G J; Barker, E H
 Initial balancing with a variational method
 Int. Conf. on Simulation of Large Scale Atmos.
 Processes.
 IN Annalen Der Meterologie, Neue Folge 11, p.
 119-121, (1976).

and the second second

DEPARTMENT OF METEOROLOGY

JOUENAL PUBS & CONFERENCE PROCS (cont d)

- Haltiner, G J: Sasaki, Y K; Barker, E H
 A variation procedure for obtaining global balanced
 winds
 World Meteorological Conf. on Pour-Dimensional Data
 Assimilations, Paris, Nov., 1975.
 IN Proc., vol. 11, p. 198-223, (1976).
- Haney, R I
 The effect of seasonally varying atmospheric forcing on the ocean circulation
 Fall Ann. Mtg. AGU, San Francisco, Calif., Dec., 1976.
 IN EOS, Trans., vol. 57, no. 11, (1976).
- Haney, R I
 The role of surface mixing in the seasonal variation of ocean thermal structure
 A.M.S. Conf. on Ocean Atmosphere Interactions,
 Seattle, Wash., Apr., 1976.
 IN Am. Meteorological Soc. Bull., vol. 57, no. 1,
 (1976).
- Haney, R I
 Dynamical prediction of large scale sea surface temperature ancmalies
 Joint Oceanogr. Assembly, Edinburgh, Scot., Sept., 1976.
 IN Proc.
- Haney, R I Modeling sea-surface temperature anomalies Ocean Modeling, vol. 4, (Apr., 1977).

- Haney, R I
 Numerical models of ocean circulation and climate
 interaction
 Revs. of Geophys. and Space Phys., vol. 17, no. 7, p.
 1494-1507, (1979).
- Haney, R I
 Discussion of process parameterization and the structure of ocean general circulation models
 Dynamics of Atmospheres and Oceans, vol. 3, nos. 2-4, p. 283-287, (July, 1979).
- Haney, R I: Davies, R W
 The role of surface mixing in the seasonal variation of the ocean thermal structure
 J. Phys. Oceanogr., vol. 6, no. 4, p. 504-510,
 (1976).

DEPARTMENT OF METEOROLOGY JOUENAL PUBS & CONFERENCE PROCS (cont'd)

- Haney, R I; Shiver, W S; Hunt, K H
 A dynamical-numerical study of the formation and
 evolution of large-scale ocean anomalies
 J. Fhys. Cceanogr., vol. 8, no. 6, p. 952-969,
 (1978).
- Lau, K M W
 A numerical study of the effect of the dynamical and thermal interaction of oceans and atmosphere on the global monsoons
 Joint IUIAM/IUGG Symp. on Monsoon Dynamics, New Delhi, India, Dec., 1977.
 IN Proc.
- Lau, K M W
 Experiment with a simple ocean-atmosphere interactive model the role of the ocean in global climate
 J. Atmos. Sci., vol. 35, no. 7, p. 1144-1163, (1978).
- Lau, K M W
 Effect of ocean on the global climate of a simple ocean-atmosphere system
 Am. Geophys. Union, Spring Mtg., Miami Beach, Fla., Apr. 20, 1978.
 IN Proc.
- Lau, K M W
 A numerical study of tropical large-scale air-sea
 interaction
 J. Atmos. Sci., vol. 36, no. 8, p. 1467-1489, (Aug.,
 1979).
- Lau, K M W; Chang, C P; Erickson, J
 Northeasterly cold surges and near-equatorial
 disturbances over the winter MONEX area during December,
 1974. Part I: Synoptic aspects
 Mon. Weather Rev., vol. 107, no. 7, p. 812-829,
 (July, 1979).
- Lau, K M W: Webster, P J
 Simulation of the global monsoon sequence
 Int. Symp. on Monsoons, Mar., 1977.
 IN Proc.
- Renard, R J

 Marine-fog diagnosis and climatology from synoptic weather reports and weather satellite observations over the North Pacific Ocean

 4th Conf. on Mar. Pog, Lab of Atmos. Phys., Desert Res. Inst., Reno, Nev., Jan. 6-7, 1976.

 IN Conf. summary.

DEFARTMENT OF METEOROLOGY

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Renard, R J
 The observation, analysis, forecasting and climatology of marine fog on the high seas and in coastal areas who Technical Conf. on the Applications of Mar.
 Meteorology to the High Seas and Coastal Zone Develop., Geneva, Switzerland, Nov., 1976.
 IN WMO Pub. No. 454, p. 211-223, (1976).
- Renard, R J: Jarrell, J D: Bowman, W N
 The climatology and forecasting of Eastern North Pacific Ocean tropical cyclones
 10th Technical Conf. on Hurricanes and Tropical Meteorology, Charlottesville, Va., July, 1976.
 IN Bull. Am. Meteorological Soc., vol. 57, p. 524, (1976).
- Renard, R J: Van Crman, B L
 Statistical diagnostic modeling of marine fog using model output parameters
 58th Ann. Mtg. of the Am. Meteorological Soc., Savannah, Ga., Jan. 29-Feb. 2, 1978.
 IN Bull. Am. Meteorological Soc., vol. 58, no. 10, p. 1131, (1977).
- Renard, R J; Willms, G R
 A new approach to the determination of climatological
 marine-fog frequencies with application to the summer
 fog season of the North Pacific Area
 2nd Conf. Am. Meteorological Soc. on Ocean-Atmosphere
 Interactions, Seattle, Wash., Mar. 30-Apr. 2, 1976.
 IN Bull. Am. Meteorological Soc., vol. 57, no. 1,
 p. 150, (1976).
- Williams, R T
 A review of theoretical models of atmospheric frontogenesis
 Chapman Conf. on Oceanic Fronts, Am. Geophys. Union, New Orleans, La., Oct. 11-14, 1977.
 IN Proc., Trans. AGU, vol. 59, no. 5, p. 492.
- Williams, R T: Chang, C P
 Barotropic instability of a spatially-varying mean flow Conf. on Atmos. Waves and Stability, Seattle, Wash., Mar./Apr., 1976.
 IN Bull. Am. Meteorological Soc., vol. 57, p. 101, (1976).

DEFARTMENT OF METEOROLOGY
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Williams, R T: Hayes, J L
 Numerical simulation of air flow over mountains
 Pall Ann. Mtg., Am. Geophys. Union, San Francisco,
 Calif., Dec. 5-9, 1977.
 IN Trans. AGU, vol. 58, no. 12, p. 1147, (1977).
- Williams, R T: Kelley, R G
 A finite element prediction model with variable element sizes
 Am. Geophys. Union, Fall. Ann. Mtg., San Francisco, Calif., Dec., 1976.
 IN Am. Geophys. Union Trans., vol. 57, no. 12, p. 927, (1976).
- Williams, R T; Kurth, R P
 Formation of discontinuities in a stratified, rotating atmosphere
 J. Geophys. Res., vol. 81, p. 1133-1140, (1976).
- Williams, R T; Schoenstadt, A L
 The computational stability properties of the Shuman pressure gradient averaging technique
 J. Comp. Fhys., vol. 21, no. 2, p. 166-177, (1976).
- Williams, R T: Tupaz, J B; Chang, C P
 A numerical study of the locally unstable barotropic
 Easterly jet
 Indian J. Meteorology, Hydrology and Geophysics, vol.
 29, no. 1-2, (1978).
- Williams, R T; Tupaz, J B; Chang, C P A numerical study of barotropic instability in a zonally varying Easterly jet J. Atmos. Sci., vols. 35-37, no. 7, p. 1265-1280, (1978).

DEPARTMENT OF METEOROLOGY TECHNICAL REPORTS AND NOTES

- Anthes, R A Tests of a mesoscale model over Europe and the United States
 Naval Postgraduate School, (NPS 63-78004), Aug.,
 1978. 107 p.
- Chang, C P: Williams, R T
 Tropical wave dynamics
 Sponsored by the Nat. Sci. Foundation. Naval
 Postgraduate School, (NPS-6378001PR), 1978. 65 p.
- Chang, C P: Miller, C R
 Spectrum analysis of easterly waves in the tropical
 Pacific during two contrasting periods of sea-surface
 temperature anomalies
 Na val Postgraduate School, (NPS-63Cj76071), 1976. 46
- Davidson, K L: Houlihan, T Optical propagation in the marine boundary layer, meteorology studies (Rep.), 1976.
- Davidson, K L: Houlihan, T M: Fairall, C W: Schacher, G E Observations of the temperature structure function parameter, C-squared-sub-T, over the ocean Naval Postgraduate School, (NPS63-78-005), Sept., 1978. 45 p.
- Elsberry, R L
 Operational data tests with a tropical cyclone model
 Naval Postgraduate School, (NPS-63Es77031), 1977. 28
- Elsberry, R L
 Numerical modeling in oceanography
 Office of Naval Res., Phys. Oceanogr. Program, (CNR
 Code 481) (Rep. for FY 79), May, 1979.
- Elsberry, R L: Gallacher, P C: Garwood, R W
 One-dimensional mcdel predictions of ocean temperature
 anomalies during Fall 1976
 Sponsored by Naval Ocean Res. and Develop. Activity.
 Naval Postgraduate School, (NPS63-79-003), Aug.,
 1979. 30 p.
- Elsberry, R L: Garwood, R W
 First-generation numerical ocean prediction models:
 Goal for the 1980's
 Sponsored by Naval Ocean Res. and Develop. Activity,
 Office of Naval Res., Ocean Sci. and Technol. Naval
 Postgraduate School, (NPS 63-79-007), Dec., 1979. 43
 p.

DEFARTMENT OF METEOROLOGY IECHNICAL REPORTS AND NOTES (cont'd)

- Fleming, H E
 Determination of vertical wind shear from linear
 combinations of satellite radiance gradients: A
 theoretical study
 Nayal Postgraduate School, (NPS63-79-004), Sept.,
 1979. 42 p.
- Gallacher, P C
 Preparation of ocean model forcing parameters from FNWC atmospheric analysis and model predictions
 Rep. for period Dec., 1978 Sept., 1979. Naval Postgraduate School, (NPS63-79-005), Dec., 1979. 28 p.
- Lau, K M W
 Tropical large-scale atmosphere-ocean coupling
 Global Atmospheric Res. Programme (GARP) Programme on
 Numerical Experimentation, (Garp Rep. no. 18), Aug.,
 1978. 98 p.
- Lau, K M W
 Climate feedback mechanisms in the equatorial Pacific
 The GARP Frogramme on Numerical Experimentation,
 (Rep. no. 19), May, 1979.
- Renard, R J
 Proposed Navy-related weather observations and research
 for the United States' scientific mission in Antarctica
 Polar Meteorclogy Workshop, Reno, Nev., 1975
 IN Tech. Rep. Ser. P, no. 18, p. 88-90, (1976).
- Renard, R J; Bowman, W N
 The climatology and forecasting of Eastern North Pacific Ocean tropical cyclones
 Naval Environmental Prediction Res. Facility,
 Monterey, Calif., (Tech. Paper 6-75), 1976. 27 p.
- Renard, R J; Foster, M S
 The airborne research data system (ARDS): Description and an evaluation of meteorological data recorded during selected 1977 Antarctic flights
 Sponsored by the Nat. Sci. Foundation. Naval Postgraduate School, (NPS-6378002), May, 1978. 90 p.
- Renard, R J; Salinas, M G
 The history, operation and performance of an experimental automatic weather station in Antarctica Naval Postgraduate School, (NPS-63Rd77101), Oct., 1977. 57 p.

-

DEPARTMENT OF METEOROLOGY TECHNICAL REPORTS AND NOTES (cont d)

- Renard, R J S
 Climatology and synoptic meteorology: Recommendations for the Antarctic and Arctic areas
 Polar Meteorology Workshop, Reno, Nev., 1975.
 IN Tech. Rep. Ser. P, no. 18, p. 7-10, (1976).
- Schacher, G E: Fairall, C W: Davidson, K L
 Results of Naval Fostgraduate School aerosol
 measurements for San Nicolas Island spectrometer
 intercomparison
 Sponsored by Naval Ocean Systems Command. Naval
 Postgraduate School, (NPS61-79-011PR), 1979. 571 p.
- Williams, R T
 FGGE and its potential benefits to the Navy
 Naval Postgraduate School, (NPS-63Wu76091), 1976. 39
 p.
- Williams, R T
 The polar problem in a global prediction model
 Naval Postgraduate School, (NPS-63Wu76111), 1976. 29
 p.
- Williams, R T
 Use of Galerkin methods in numerical weather prediction
 Sponsored by Naval Environmental Prediction Res.
 Facility & Fleet Numerical Weather Central. Naval
 Postgraduate School, (NPS 63-78-006), Dec., 1978. 53
- Williams, R T: Chang, C P
 Tropical wave dynamics
 Sponsored by the Nat. Sci. Foundation. Naval
 Postgraduate School, (NPS-6378001PR), 1978. 65 p.
- Williams, R T; Hayes, J L
 Numerical simulation of air flow over mountains
 Naval Postgraduate School, (NPS-63Wu7741), 1977. 68
 p.
- Williams, R T; Kelley, R G A finite element prediction model with variable element sizes Naval Postgraduate School, (NPS-63Wu76101), 1976. 109 p.
- Williams, R T: Robertson, T G Effect of CISK on barotropic instability (Rep.), 1976. 19 p.

- 25-5-

DEPARTMENT OF METEOROLOGY
TECHNICAL REPORTS AND NOTES

(cont'd)

Williams, R T: Rosmond, T
Divergent initialization experiments using a spectral
model
Naval Postgraduate School, (NPS-63Wu7791), Sept.,
1977. 81 p.

DEPARTMENT OF AERONAUTICS CONFERENCE PRESENTATIONS

- Ball, R E; Citerley, R L; Gibson, W C
 Response of a cylindrical fluid container to seismic
 motion
 Joint Petrol. Mech. Eng. and Pressure Vessels and
 Piping Conf., ASME, Mexico City, Mexico, Sept., 1976.
 IN Preprint, (76-PVP-28). 11 p.
- Biblarz, C
 A re-examination of the classical solution to the positive column of a glow discharge
 1978 IEEE Int. Conf. on Plasma Sci., Monterey, Calif., May 15-17, 1978.
- Biblarz, O: Dolson, R C
 A computer analysis of the MHD-sheath plasma drop
 IEEE Int. Plasma Sciences Mtg., Austin, Tex., May,
 1976.
- Collins, D J
 Sonobuoy location
 Aerospace Committee of SAE, New Orleans, La., 1979.
- Fuhs, A E
 Experiments involving iceberg melting and towing
 Mtg. of the Soc. of Naval Architects & Mar. Engrs.,
 Northern Calif. Section, San Francisco, Calif., Oct.
 25, 1979.
- Layton, D M
 The effects of bow seal shape on the performance of a captured air bubble surface effect ship Advanced Mar. Vehicles Conf., Arlington, Va., Sept., 1976.
- Layton, D M
 Current activities in lighter-than-air
 Sigma Xi Dinner Mtg., Dec., 1976.
- Lindsey, G H; Carlton, C; Francis, E C
 Solid propellant fracture behavior in a combined straining cocling motor leading condition
 Presented at the 15th Mtg. of JANNAF Structures & Mech. Behavior Working Group Mtg.
- Lindsey, G H: Francis, E C: Carlton, C
 Fracture analysis of rocket motor subjected to slow cool-down
 Ann. Mtg. of JANNAF Structures and Mech. Behavior Subcommittee, Naval Postgraduate School, Monterey, Calif., Apr. 17-19, 1978.

DEPARTMENT OF AERONAUTICS CONFERENCE PRESENTATIONS

(cont'd)

- Netzer, D W
 Experimental investigations of solid fuel ramjet combustors
 JANNAF Workshop on Solid Fuel Ramjets, Naval Postgraduate School, Monterey, Calif., June, 1976.
- Netzer, D W
 Modeling solid fuel ramjet combustion
 JANNAF Workshop on Solid Fuel Ramjets, Naval
 Postgraduate School, Monterey, Calif., June, 1976.
- Netzer, D W: Zarlingo, P Status of solid fuel ramjet technology JANNAF Propulsion Mtg., Atlanta, Ga., Dec., 1976.
- Schmidt, L V
 Unsteady aerodynamics of a circulation controlled airfoil
 4th European Rotorcraft and Powered Lift Aircr.
 Forum, Stresa, Italy, Sept. 13-15, 1978.
- Shreeve, R P
 Real-time measurements in a transonic compressor
 ONR-NAVAIR Workshop on Transonic Flow Problems in
 Turbomachines, Naval Postgraduate School, Monterey,
 Calif., Feb., 1976.
- Shreeve, R P
 Calibration & application of multiple sensor pneumatic probes for velocity determination with corrections for boundary effects
 AIAA 9th Fluid & Plasma Dynamics Conf., San Diego, Calif., July, 1976.
- Shreeve, R P
 Probes and measurement techniques from tests of a small transonic compressor
 AIAA/SAE 14th Joint Propulsion Conf., Las Vegas, Nev., July 25-28, 1978.
- Shreeve, R P; Dodge, P J; Hawkins, W R; Larson, V J
 Probe measurements of velocity and losses from a small
 axial transonic rotor
 AIAA 11th Fluid and Plasma Dynamics Conf., Seattle,
 Wash., July 10-12, 1978.
 IN Am. Inst. Aeron. Astronautics Paper 78-1198, p.
 52, (1978).

DEPARTMENT OF AERONAUTICS CONTRIBUTIONS TO BOOKS

- Layton, D M Proceedings of the Flight Control Systems Criteria Symposium 1978. 456 p.
- Miller, J A; Crow, D E Nonsteady fluid dynamics ASME, 1978. 252 p.
- Netzer, D W: Andrews, J R
 Schlieren studies of solid propellant combustion
 IN T. L. Boggs, B. T. Zinn, eds.: Experimental
 diagnostics in combustion of solids, (AIAA
 Progress in Astronautics and Aeron. series,
 vol. 63), 1978.
- Platzer, M F
 Prediction methods for jet VSTOL propulsion aerodynamics
 (ed.)
 Naval Air Systems Command Res. Technol. Group, 1976.
- Zucker, R D
 Fundamentals of gas dynamics
 Champaign, Ill., Matrix, 1977. 443 p.

DEPARTMENT OF AERONAUTICS JOUENAL PUBS & CONFERENCE PROCS

- Eall, R E
 Research on the damage to aircraft composite material
 fuel tanks due to penetrating projectiles (hydraulic
 ram) at the Naval Postgraduate School
 Army Symp. Sclid Mech., 1976.
 IN Trans., (1976).
- Ball, R E
 Structural response of fluid-containing tanks to
 penetrating projectiles
 Hydrodynamic Ram Seminar, Wright-Patterson AFB, Ohio,
 Oct., 1976.
 IN (APFDL-TR-77-32), 1976. p. 335-399.
- Ball, R E: Biblarz, O
 The MHD-sheath voltage drop, effects of higher currents
 IEEE Int. Conf. on Plasma Sci., Monterey, Calif., May
 15-17, 1978.
- Ball, R E: Citerley, R L

 Fluid mass matrices for thin shell-of-revolution tanks
 3rd Nat. Congress, San Francisco, Calif., June 25-29,
 1979.

 IN Dynamics of fluid-structure systems in the
 energy industry, Am. Soc. of Mech. Engrs., (PVP
 39), 1979, p. 39-52.
- Ball, R E; Remers, R T
 Designing military aircraft for survival in combat
 Astronautics and Aeron., vol. 14, no. 5, p. 62-64,
 (1976).
- Ball, R E; Stronge, W J
 Transient response of fluid-backed plates a comparison of Piston theory and NASTRAN solutions
 Presented at the 15th Midwestern Mech. Conf., Univ. of Illinois, Chicago Circle, Ill., Mar. 23-25, 1977.
 IN Proc., (1977).
- Biblarz, O
 Electrode loss mechanisms in MHD generators
 AFOSR Contractors' Mtg. of MHD Power Generation and
 Lasers, Stanford, Calif., May, 1976.
 IN Conf. Record, (1976).

À

DEFARTMENT OF AFRONAUTICS JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Biblarz, O
 Phase plane-analysis of transonic flows
 AIAA. 9th Fluid and Plasma Dynamics Conf., San Diego,
 Calif., July, 1976.
 IN Conf. Record (AIAA paper No. 76-232), (1976).
- Biblarz, O
 Stabilization of glow discharges by supersonic flows
 Presented at the 30th Ann. Gaseous Electronics Conf.,
 Palo Alto, Calif., Oct. 18-21, 1977.
 IN Conf. record and in Bull. of the Am. Phys. Soc.
- Biblarz, C
 Electrogasdynamic spectral anemometer
 Symp. on Electrohydrodynamics, Colo. State Univ.,
 Fort Collins, Colo., Jan. 16-18, 1978.
 IN Conf. record, (1978).
- Biblarz, C Electrogasdynamic spectral anemometer J. Electrostatics, vol. 5, p. 101-120, (1978).
- Biblarz, C; Barto, J L; Post, H A
 Dynamic effects on diffuse electrical discharges in air
 19th Israel Ann. Conf. Aviation and Astronautics,
 Israel, 1977.
- Biblarz, O; Barto, J L; Post, H A
 Gas dynamic effects on diffuse electrical discharges in air
 Israel J. Technol., vol. 15, no. 1 & 2, p. 59-69,
 (1977).
- Biblarz, O: Dolson, R C
 Analysis of the voltage drop arising from a collision dominated sheath
 J. Appl. Phys., vol. 47, no. 12, p. 5280-5287, (1976).
- Biblarz, O: Dolson, R C
 A computer analysis of the MHD-sheath voltage drop
 15th Symp. Eng. Aspects of MHD, Univ. of
 Pennsylvania, May 24-26, 1976.
 IN ALAA J.
- Biblarz, C; Fuhs, A E Laser aerodynamics Nav. Res. Rev., vol. 29, no. 2, p. 11-13, (1976).

- 35-5

DEPARTMENT OF AERONAUTICS

JOUENAL PUBS & CCNFERENCE PROCS (cont d)

- Collins, D J
 LDA applied to turbomachinery
 J. H. Wayland Symp., C. I. T., June, 1979.
 IN Proc., J. H. Wayland Symp., C. I. T., 300 p.,
 (June, 1979).
- Fuhs, A E
 The 1979 team
 J. Aircr., vol. 16, no. 1, p. 1-4, (Jan., 1979).
- Fuhs, A E: Fuhs, S E
 Optical phase distortion due to compressible flow over
 laser turrets
 Aero-Optics Symp., sponsored by NASA Ames and the Air
 Force Weapons Lab., NASA Ames, Calif., Aug. 14-15,
 1979.
 IN Progress Series in Aeron. and Astronautics,
 ALAA, (1979).
- Gawain, T H: Biblarz, O
 Performance characteristics of a type of
 electrohydrodynamic generator
 14th Intersociety Energy Conversion Eng. Conf.,
 Boston, Mass., Aug., 1979.
 IN Proc., Am. Chemical Soc., vol. II, p.
 1962-1967, (1979).
- Gawain, T H: Ball, R E
 Improved finite difference fcrmulas for boundary value problems
 Numerical Methods Eng., vol. 12, p. 1151-1160, (1978).
- Lindsey, G H
 Aircraft fatigue instrumentation
 Nav. Res. Rev., vol. 29, no. 2, p. 17-18, (1976).
- Lindsey, G H
 Viscoelastic fracture analysis of rocket motors
 containing bore cracks subjected to equilibrium
 cool-down
 1979 JANNAF Structures and Mechanical Behavior
 Subcommittee Mtg., Air Force Academy, Colorado
 Springs, Colc., Dec. 11-13, 1979.
 IN Proc.
- Lindsey, G H
 Fracture analysis of blow-out samples subjected to high rate pressurization
 1979 JANNAF Structures and Mechanics Behavior Subcommittee Mtg., Air Force Academy, Colorado Springs, Colo., Dec. 11-13, 1979.
 IN Proc.

DEFARTMENT OF AERONAUTICS

JOURNAL PUBS & CONFERENCE PROCS (cont d)

- Lindsey, G H
 Microprocessors as aircraft fatigue monitors
 25th Int. Instrumentation Symp., Anaheim, Calif., May
 7-10, 1979.
 IN Instrumentation in the Aerospace Industry, vol.
 25 Advances in Test Meas., vol. 16,
 Instrument Soc. of Am., (1979).
- Miller, J A
 A simple linearized hot-wire anemometer
 J. Fluids Eng., vol. 98, p. 749-752, (1976).
- Miller, J A; Schildknecht, M; Meier, G E A
 The influence of suction on the structure of turbulence
 in fully developed pipe flow
 J. Fluid Mech., vol. 90, pt. 1, p. 67-107, (Jan.,
 1979).
- Miller, J A: Schildknecht, M: Meier, G E A
 Influence of suction on energy distribution in fully
 established turbulent pipe flow
 4th Biennial Symp. on Turbulence in Liquids, Univ. of
 Missouri, Rolla, Mo.
 IN Proc., Univ. of Missouri, (1979).
- Miller, J A; Schildknecht, M; Meier, G E A
 Energiegleichgewicht bei turbulenter stromung
 nebenbenegung in einer rohrstromung mit absaugung
 Max-Planck-Institut Fur Stromungsforchung, (1979).
- Netzer, D W Modeling of solid fuel ramjet combustion phenomena IN AFOSR Contractors Mtg., WPAFB, Aug., 1976.
- Netzer, D W
 Modeling solid fuel ramjet combustion
 13th JANNAF Combustion Mtg., Naval Postgraduate
 School, Mcnterey, Calif., Sept., 1976.
 IN Proc.
- Netzer, D W
 Modeling solid-fuel ramjet combustion
 J. Spacecraft and Rockets, vol. 14, no. 12, p.
 762-766, (1977).
- Netzer, D W
 Propulsion systems for future air launched tactical
 missiles
 2nd NAEI Tactical Missile Colloquium, May 16-20,
 1977, Naval Postgraduate School.

DEFARTMENT OF AERONAUTICS

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Netzer, D W Model applications to solid-fuel ramjet combustion J. Spacecraft and Rockets, vol. 15, p. 263-264, (Sept./Oct., 1978).
- Netzer, D W; Andrews, J R
 Laser Schlieren for study of solid-propellant
 deflagration
 AIAA J., vol. 14, no. 3, p. 410-412, (1976).
- Netzer, D W: Zarlingo, F
 Effect of system design and operational environment on
 the combustion behavior in solid fuel ramjets
 13th JANNAF Combustion Mtg., Naval Postgraduate
 School, Monterey, Calif., Sept., 1976.
 IN Proc.
- Platzer, M F
 Technical evaluation report
 46th Mtg. of the AGARD Propulsion & Energetics Panel,
 on Unsteady Phenomena in Turbomachinery, Monterey,
 Calif., Sept. 22-26, 1975.
 IN AGARD-CFF-177, p. ix-xvi, (1976).
- Platzer, M.F.
 Transonic blade flutter a survey of new developments
 Shock and Vibration Digest, vol. 10, no. 9, p. 11-20,
 (1978).
- Platzer, M F
 Unsteady flows in turbomachines a review of current
 develorments
 AGARD Conf. on Unsteady Aerodynamics, Ottawa, Canada,
 Sept. 26-28, 1977.
 IN AGARD Conf. Proc. No. 227, Unsteady
 aerodynamics, (AGARD-CP-227), Advisory Group
 for Aerospace Res. & Develop., Neuilly sur
 Seine, France, p. 33-1 33-28, (1978).
- Platzer, M F; Chadwick, W R; Bell, J K
 On the analysis of supersonic flow past oscillating
 cascades
 46th Mtg. of the AGARD Propulsion & Energetics Panel
 on Unsteady Phenomena in Turbemachinery, Monterey,
 Calif., Sept. 22-26, 1975.
 IN AGARD-CPP-177, p. 29.1-29.13, (1976).

The second

DEPARTMENT OF AFRONAUTICS JOUENAL PUBS & CONFERENCE PROCS (cont'd)

- Platzer, M F; Chadwick, W R; Schlein, P B
 On the analysis of the aerodynamic and flutter
 characteristics of transonic compressor blades
 Rev. Franc. Mecan., Numero Speciale, p. 65-72,
 (1976).
- Platzer, M F; Liu, D D
 Approximate methods for transonic flow past finite wedge profiles
 Z. Ange. Math. Mech., vol. 56, no. 1, p. 51-57, (1976).
- Platzer, M F; Liu, D D; Ruo, S J Stability derivatives for bodies of revolution at subsonic speeds AIAA J., vol. 14, no. 2, p. 247-250, (1976).
- Platzer, M F; Margason, R J
 Prediction methods for jet VSTOL propulsion aerodynamics
 J. Aircr., vol. 15, no. 2, p. 69-77, (1978).
- Platzer, M F; Margascn, R M
 Prediction methods for jet VSTOL propulsion aerodynamics
 AIAA Aircr. Systems and Technol. Mtg., Dallas, Tex.,
 Sept., 1976.
 IN AIAA paper no. 76-932.
- Platzer, M F: Simmons, J M: Bremhorst, K
 Entrainment characteristics of unsteady subsonic jets
 Am. Inst. Aeron. Astronautics, vol. 16, no. 3, p.
 282-284, (1978).
- Platzer, M F; Simmons, J M; Bremhorst, K
 Entrainment characteristics of unsteady subsonic jets
 Workshop on Thrust Augmenting Ejectors, NASA Ames
 Res. Center, June 28-29, 1978.
 IN Proc., (NASA Conf. Publication 2093), p.
 311-324, (Sept., 1979).
- Shreeve, R P: Anderson, D J: Olson, J A
 Velocity vector determination from multi-sensor
 pneumatic prote measurements
 Am. Inst. Aeron. Astronautics, vol. 15, no. 11, p.
 1539-1540, (1977).
- Shreeve, R P: Simmons, J M: Winters, K A: West, J C
 Determination of transonic compressor flow field by
 synchronised sampling of stationary fast response
 transducers

 ASME Winter Ann. Mtg., San Francisco, Calif., Dec
 10-15, 1978.

 IN Nonsteady fluid dynamics, Am. Soc. of Mech.
 Eng., p. 91-101, (1978).

DEPARIMENT OF AERONAUTICS

JOURNAL PUBS & CCNFERENCE PROCS (cont'd)

- Simmons, J M
 Aerodynamic measurements on oscillating two-dimensional jet flap airfoil
 AIAA J., vol. 14, no. 6, p. 741-748, (1976).
- Simmons, J M: Hooker, R J
 Experimental and simulation studies of transmission line vibration
 Conf. on Vibration and Noise Control Eng., Inst. Engrs., Sydney, Australia, Oct., 1976.
 IN Proc.
- Simmons, J M; Radcliffe, D F
 A new method for optical control of manipulative-type orthoses for high-level quadriplegics
 Med. and Bicl. Eng., vol. 14, no. 3, p. 282-288, (1976).
- Vanderplaats, G N; Fuhs, A E; Elaisdell, G A
 Optimized laser turrets for minimum phase distortion
 Aero-Optics Symp., sponsored by NASA Ames and the Air
 Force Weapons Lab., NASA Ames, Calif., Aug. 14-15,
 1979.
 IN Progress Series in Aeron. and Astronautics,
 AIAA, (1979).

DEFARTMENT OF AERONAUTICS TECHNICAL REPORTS AND NOTES

- Ball, R E
 Structural response of fluid-containing-tanks to
 penetrating projectiles (hydraulic ram) A comparison
 of experimental and analytical results
 Naval Postgraduate School, (NPS-57Bp76051), 1976.
- Ball, R E; Gawain, T H
 Improved finite difference formulas for boundary value problems
 Naval Postgraduate School, (NPS-67Gn77051), 1977. v. p.
- Ball, R E: Shutt, E D

 Buckling of shallow spherical shells: The significance of the Pole Conditions

 J. Appl. Mech., Am. Soc. of Mech. Engrs., vol. 46, no. 3, p. 710-711, (Sept., 1979).
- Biblarz, C
 Aerodynamic stabilization of gaseous discharges
 Sponsored by the Naval Postgraduate School
 Foundation. Naval Postgraduate School,
 (NPS-67Ei77111), 1977. 25 p.
- Biblarz, C: Gawain, T H
 Optimally loaded electrohydrodynamic power genrator
 Naval Postgraduate School, (NFS-67-79-011), Oct.,
 1979. 36 p.
- Gawain, T H
 On the stability of two basic parallel flows: Analysis, progress report and proposal for further research Naval Postgraduate School, (NPS-67Gn77061), 1977.
- Gawain, T H
 Stability problem and some preliminary numerical results
 Sponsored by the Chief of Naval Res. Naval
 Postgraduate School, (NPS-6778006), 1978. 37 p.
- Gawain, T H; Ball, R E
 Improved finite difference formulas for boundary value
 problems
 Naval Postgraduate School, (NPS-67Gn77051), 1977. v.
- Gawain, T H: Biblarz, O
 Performance analysis of a type of electrohydrodynamic power generator
 Sponsored by the Department of Energy. Naval
 Postgraduate School, (NPS67-79-006), Apr., 1979. 90 p.

DEPARTMENT OF AERONAUTICS TECHNICAL REPORTS AND NOTES

(cont'd)

- Gawain, T H
 A mathematical model for turbulent flows involving supersonic, subscnic and recirculating regions
 Spensored by the Naval Weapons Center, China Lake, Calif. Naval Postgraduate School, (NPS-67Gn78003), July, 1978. 105 p.
- Layton, D M
 Seal loads of the surface effect ship testcraft XR-3
 Naval Postgraduate School, (NPS-6778001PR), 1977.
 142 p.
- Layton, D M
 Seal loads of the surface effect ship testcraft XR-3
 Sponsored by the Naval Sea Systems Command. Naval
 Postgraduate School, (NPS-6778001PR), 1978. 156 p.
- Lindsey, G H
 Microprocessors as aircraft fatigue monitors
 Naval Postgraduate School, (NPS-67Li77041), 1977. 17
 p.
- Lindsey, G H
 Progress report on aircraft fatigue studies
 Naval Postgraduate School, (NPS-67Li77091), 1977. 31
 p.
- Lindsey, G H
 Research on fatigue of aircraft structures
 Sponsored by the Naval Air Systems Command. Naval
 Postgraduate School, (NPS-6778004PR), 1978. 25 p.
- Netzer, D W
 Sensitivity of ACAM predictions for naval air operations to meteorological and dispersion model parameters
 Naval Postgraduate School, (NPS-67Nt78051), 1978. 64
 p.
- Netzer, D W: Mady, C J: Hickey, P J
 An investigation of the combustion behavior of solid
 fuel ramjets
 Naval Postgraduate School, (NPS-67Nt77092), 1977. 45
- Netzer, D W: Speakman, G C: Hayes, J D
 Internal aerodynamics of turbojet test cells
 Naval Postgraduate School, (NPS-67Nt76121), 1976. 61
 p.

DEPARIMENT OF AERONAUTICS TECHNICAL REPORTS AND NOTES (cont'd)

- Netzer, D W: Thompson, G R
 An ambient air quality model for assessment of U. S.
 Naval Aviation emittants
 Naval Postgraduate School, (NPS-67Nt76091), 1976.
 100 p.
- Platzer, M F
 The oscillating jet flap
 Naval Postgraduate School, (NPS-57P176031), 1976. 39
 p.
- Schmidt, L V
 Circulation control airfoil study
 Na val Postgraduate School, Progress rep. no. 4,
 (NPS-67Sx77111), 1977. 25 p.
- Schmidt, L V
 Fin-opening dynamics for an 8-inch gun launched extended range guided projectile
 Sponsored by the Naval Air Systems Command, washington, D. C. Naval Postgraduate School, (NFS-6778010), Dec., 1978. 73 p.
- Sobieczky, H
 Design of shock-free transcnic flow in turbomachinery
 Naval Postgraduate School, (NPS67-78-005), NOV.,
 1978. 39 p.
- Stricker, J
 Design considerations of a flow system for transient laser discharge experiments
 Naval Postgraduate School, (NPS67-79-008), Aug., 1979. 31 p.

DEPARTMENT OF OCEANOGRAPHY CONFERENCE PRESENTATIONS

- Andrews, R S
 Self-instruction methods in teaching introductory
 geology
 Fall Mtg., Nat. Assoc. of Geology Teachers, Far
 Western and Hawaii Section, Monterey, Calif., Oct. 9,
 1976.
- Andrews, R S; Heacock, J G
 Department of Defense interests in continental drilling
 Workshop on Continental Drilling for Scientific
 Purposes, Los Alamos, N. M., July 17-21, 1978.
 IN Proc., U. S. Geodynamics Committee, Nat.
 Academy of Sci./Nat. Res. Coun., 1978.
- Andrews, R S; Heaccck, J G
 Earth physics program
 Office of Naval Res., Terrestrial Sci. Subelement
 Rev., Apr. 10, 1978.
 IN Minutes, p. 115-137, (1978).
- Denner, W W
 The use of snow to augment fresh water supplies on arctic regions
 Pacific Northwest AGU Mtg., Victoria, BC, 1976.
- Denner, W W
 Air support in arctic research
 Navy 5-Year Res. Planning Guide Mtg., Washington, D.
 C. June, 1976.
- Denner, W W
 Naval Arctic Research Laboratory
 Arctic ASW Mtg., Seattle, Wash., Oct., 1976.
- Haderlie, E C
 Recent rock boring marine bivalves from Monterey Bay,
 California
 Dall Symp., Geological Soc. Am., Apr., 1979.
 IN Proc.
- Haderlie, E C
 Fouling communities in the intertidal zone on wooden and concrete piling at Monterey, California
 4th Int. Conf. Mar. Corrosion Fouling, Juanles-Pin, France, June 14-18, 1976.
- Junq, G H
 New calculations of heat transported poleward by ocean currents
 Ch. of Am. Meteorological Soc. Mtg., Naval
 Postgraduate School, Monterey, Calif., Dec., 1976.

DEFARTMENT OF OCEANOGRAPHY CONFERENCE PRESENTATIONS

(cont'd)

- Jung, G H
 Are the oceans a necessary link between solar variability and earth's climatic anomalies?
 Chapman Sclar Terrestrial Coupling Conf., Yosemite, Calif., Feb. 8-11, 1978.
- Leipper, D F
 Training available at the Naval Postgraduate School
 Conf. Educ. Mar. Environment Serv., Seattle, Wash.,
 Aug., 1976.
- Leipper, D F
 Overview of NPS program (fog)
 Block Funding Mtg., NEPRF, Monterey, Calif., Sept.,
 1976.
- Leipper, D F
 Defense R & D and oceanography
 Executive Seminar Sci. Technol. Public Policy,
 Berkeley Center, Civil Service Commission, Monterey,
 Calif., June, 1976.
- Leipper, D F; Pilie and others
 The importance of organized vertical motions in coastal
 foq
 Conf. Coastal Meteorology, Virginia Beach, Va.,
 Sept., 1976.
- Mooers, C N K
 Physical variability over Wilmington Canyon (Summer 1977 and 1978) with particular pertinence to the cold pool Ann. Informal Workshop on the Phys. Oceanogr. and Meteorology of the Middle Atlantic and New York Bights, Williamsburg, Va., Nov. 15-16, 1978.
- Mooers, C N K
 Some climatological aspects of synoptic atmospheric forcing over the Gulf of Maine and Georges Bank and atmospheric forcing of coastal sea level between Cape Hatteras and Halifax, winter, 1975
 2nd Informal Workshop on the Gulf of Maine and Scotian Shelf, Dalhousie Univ., Halifax, Nova Scotia, May 15-17, 1979.
- Mooers, C N K
 Possible influences of Gulf Stream warm-core eddies and submarine canyons on exchange processes at the shelf/slope front in the Middle Atlantic Bight Workshop on Shelfbreak Processes, Skidaway Inst. of Oceanogr., Savannah, Ga., Jan. 21-24, 1979.

- Z-I

DEPARTMENT OF OCEANOGRAPHY CCNFERENCE PRESENTATIONS

(cont d)

- Mooers, C N K
 Open questions on the dynamics of oceanic fronts
 Anomaly Dynamics Study Workshop, San Francisco,
 Calif., Apr. 19 and 29, 1979.
- Mooers, C N K
 Synoptic properties of the mesoscale temperature field over Wilmington Canyon, August 1978
 Am. Geophys. Union Spring Mtg., Washington, D. C., May 27 to June 1, 1979.
- Mooers, C N K
 Effects of circulation in Wilmington Canyon on
 biogeochemical distributions, 6 to 11 August 1978
 Am. Soc. of Limnlogy and Oceanogr. Mtg., SUNY, Stony
 Brock, N. Y., June 18-21, 1979.
- Nortrup, D E
 The Naval Postgraduate School Oceanography/Hydro Program
 NOS Hydrographic Survey Conf., Seattle, Wash., Jan.
 8-12, 1979.
- Thompson, W C: Reynolds, F M
 Climatological ocean wave models
 15th Conf. on Coastal Eng., Honolulu, HI, July, 1976.
- Thompson, W C; Vieira, M E C
 Synoptic history of sand fill in a harbor entrance
 15th Conf. on Coastal Eng., Honolulu, HI, July, 1976.
- Thornton, E B
 Kinematics of treaking waves
 15th Coastal Eng. Conf., Honolulu, HI, July, 1976.
- Thornton, E B
 Review of status of energetics and momentum fluxes in the surf zone: Field data
 Workshop on Coastal Sediment Transport Processes,
 Univ. of Delaware, Dec., 1976.
- Thornton, E B
 Review of longshore current relationships and data base
 Workshop on Coastal Sediment Transport Processes,
 Univ. of Delaware, Dec., 1976.
- Thornton, E B
 Kinematics of breaking waves
 ONR Coastal Geography Programs 1979 Ann. Rev., Baton
 Rouge, La., Eay, 1979.

DEPARTMENT OF OCEANOGRAPHY CCNFERENCE PRESENTATIONS

(cont'd)

- Traganza, E D
 Equilibrium calculations as evidence for, normal, C/ATP ratios in marine zooplankton
 Gordon Res. Conf. on Chemical Oceanogr., New Hampton,
 N. H., July 31-Aug. 4, 1978.
- Traganza, E D
 Satellite oceancgraphy at NPS
 Nat. Academy of Sciences Committee on Oceanogr. Mtg.,
 FNOC, Monterey, Calif., 1979.
- Traganza, E D: Swinnerton, J W; Cheek, C H
 Methane supersaturation and ATP-zooplankton, blooms, in
 near-surface waters of the Western Mediterranean and the
 subtropical North Atlantic Ocean
 Gordon Res. Conf. on Chemical Oceanogr., New Hampton,
 N. H., July 31-Aug. 4, 1978.

DEPARTMENT OF OCEANOGRAPHY CCNIRIBUTIONS TO BOOKS

Mooers, C N K
Introduction to the physical oceanography and fluid
dynamics of continental margins
IN D. J. Stanley and D. J. P. Swift, eds.:
Marine sediment transport and environmental
management, New York, N.Y., John Wiley, 1976,
p. 7-21.

Mooers, C N K
Wind-driven currents on the continental margin
IN D. J. Stanley and D. J. P. Swift, eds.:
Marine sediment transport and environmental
management, New York, N.Y., John Wiley, 1976,
p. 29-52.

Traganza, E D; Clayton, J R; Payne, J R; Risebrough, R W
Chemical oceanography of the coastal zone of central and
northern California (Ch. 5)
IN J. R. Winzler, ed.: A summary of knowledge of
the central and northern California coastal
zone and offshore areas. Eureka, Calif.,
Winzler and Kelley, 1977, p. 1-145.

DEFARTMENT OF OCEANOGRAPHY JOURNAL PUBS & CONFERENCE PROCS

- Andrews, R S: Clark, B E: Druzbick, J
 Seismic/Acoustic Passive Surveillance Workshop, held at
 the Marine Corps Education Center, Quantico, Va., Mar.
 7-8, 1978.
 IN Proc., Marine Corps Develop. and Educ.
 Command, 1978. 140 F.
- Andrews, R S
 Customizing geology in the self-instruct mode: For example, geological oceanography
 J. Geological Educ., (1977).
- Bourke, R H; Dorman, C E

 New estimates of oceanic precipitation

 Fall Mtg. Am. Geophys. Union, San Francisco, Calif.,

 Dec. 5-9, 1977.

 IN EOS, Trans., Am. Geophys. Union, vol. 58, no.

 12, p. 1155, (1977).
- Bourke, R H: Paquette, R G
 Atlantic water on the Chukchi shelf
 Ann. Fall Mtg., Am. Geophys. Union, San Francisco,
 Calif., Dec., 1976.
 IN Trans., AGU, vol. 57, no. 12, p. 939, (1976).
- Bourke, R H: Paquette, R G
 The oceanography of the marginal sea ice zone
 Nav. Res. Revs., vol. 29, no. 2, p. 29-30, (1976).
- Bourke, R H; Paquette, R G
 Atlantic water on the Chukchi shelf
 Georhys. Res. Letters, vol. 3, no. 10, p. 629-632,
 (1976).
- Bourke, R H; Paguette, R G
 Low frequency acoustic propagation and oceanography of
 the Pacific Marginal Sea Ice Zone (U)
 U. S. Navy J. Underwater Acoustics, vol. 27, no. 1,
 p. 191-209, (1977).
- Bourke, R H; Pfeiffer, J F
 Evidence of Subarctic water mass intrusions at ocean
 weather station November
 Chapman Conf. on Oceanic Fronts, New Orleans, La.,
 Oct. 11-14, 1977.
 IN EOS, Trans., Am. Geophys. Union, vol. 58, no.
 9, p. 887, (1977).

DEPARTMENT OF OCEANOGRAPHY JOUENAL PUBS & CCNFERENCE PROCS (cont d)

- Bourke, R H: Pfeiffer, J P Evidence of Subarctic water mass intrusions at ocean weather station November J. Geophys. Res., vol. 83, no. C9, p. 4561-4566, (1978).
- Chace, A B; Galdorisi, G V
 Tactical ASW ocean acoustic forecasting
 U. S. Naval Inst. Proc., vol. 104, no. 3, p. 146-147,
 (1978).
- Denner, W W
 Environmental factors along an iceberg tow route in the Indian Ocean
 1st Int. Conf. on Iceberg Utilization, Ames, Iowa, Oct. 2-6, 1977.
 IN Proc., p. 389-417, (1978).
- Denner, W W
 Sounds in the Arctic Ocean
 Naval Arctic Res. Lab., NARL News, vol. 2, no. 2,
 (1978).
- Denner, W W; Rickard, B F; Kibblewhite, A C
 Temperature microstructure and ultrasonic sound
 propagation in the sea
 Deep Sea Res.
- Elsberry, R L; Gallacher, P C; Garwood, R W
 One-dimensional model simulations of ocean temperature
 anomaly modifications during Winter 1976-77
 Am. Geophys. Union, Ann. Mtg., San Francisco, Calif.,
 Dec., 1978.
 IN EOS, Am. Geophys. Union, p. 1108, (1978).
- Elsberry, R L: Garwood, R W
 Sea-surface temperature anchaly generation in relation to atmospheric storms
 Bull. Am. Meteorological Soc., vol. 59, no. 7, p. 786-789, (July, 1978).
- Puhs, A F; Denner, W W; Kelleher, M D; Stolfi, R H;
 Bourke, R H; Wanq, F C C
 Self propelled iceberg
 1st Int. Conf. and Workshops on Iceberg Utilization
 for Fresh Water Production, Weather Modification and
 Other Application, Iowa State Univ., Ames, Iowa, Oct.
 2-6, 1977.
 IN Iceberg utilization, Pergamon Press, 1978, p.
 359-368.

~ 7 T

DEPARIMENT OF OCEANOGRAPHY JOUENAL PUBS & CCNFERENCE PROCS (cont d)

- Fuhs, A E; Denner, W W; Kelleher, M D; Stolfi, R H;
 Bourke, R H; Wang, F C C
 Self propelled icebergs
 1st Int. Conf. and Workshops on Iceberg Utilization
 for Fresh Water Production, Weather Modification and
 Other Application, Iowa State Univ., Ames, Iowa, Oct.
 2-6, 1977.
 IN Iceberg utilization, Pergamon Press, 1978, p.
 359-368.
- Garwood, R W
 An oceanic mixed layer model capable of simulating cyclic states
 J. of Phys. Ocean., (1976).
- Garwood, R W
 A standardized framework for mixed layer model and empirical data evaluations
 IN AGU Fall Ann. Mtg., 1976.
- Garwood, R W
 The spring retreat of the ocean surface boundary layer
 Am. Geophys. Union Fall Mtg., San Francisco, Calif.,
 Dec., 1977.
 IN Trans. Am. Geophys. Union, p. 1156, (1977).
- Garwood, R W
 A method for the nondimensional comparison of mixed layer models
 Ocean Modeling, vol. 6, (1977).
- Garwood, R W
 Evidence of planetary-scale dissipation in the summertime oceanic boundary layer
 Am. Geophys. Union, Ann. Mtg., San Francisco, Calif., Dec., 1978.
 IN EOS, Am. Geophys. Union, p. 1094, (1978).
- Garwood, R W
 Air-sea interaction and dynamics of the surface mixed layer
 Revs. in Georhys. and Space Phys., vol. 17, 14 p., (Oct., 1979).
- Garwood, R W: Camp, N T
 Comments on climatological numerical models of the surface mixed layer of the ocean
 J. Phys. Oceanogr., vol. 7, (1977).

DEPARTMENT OF OCEANOGRAPHY JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Garwood, R W: Elsterry, R L
 Effects of boundary layer processes on the strength of
 an upper layer density front
 Am. Geophys. Union Chapman Conf. on Oceanic Pronts,
 New Orleans, La., Oct., 1977.
 IN Trans. Am. Geophys. Union, p. 893, (1977).
- Garwood, R W; Halpern, D

 Numerical simulation of the long-period response of the upper ocean to diurnal period fluctuations of wind stress and surface buoyancy flux

 2nd Conf. Ocean-Atmosphere Interactions of the Am.

 Meteorological Soc., 1976.

 IN Proc.
- Garwood, R W: Yun, J Y
 Bulk closure for the oceanic planetary boundary layer:
 A realistic and numerically efficient model
 2nd Symp. on Turbulent Shear Flows, Imperial College,
 London, July 2-4, 1979.
 IN Proc., vol. 2, p. 12.6-12.11, (1979).
- Haderlie, E C
 Destructive Marine wood and stone borers in Monterey Bay
 3rd Int. Bicdegradation Symp.
 IN J. M. Sharpley and A. M. Kaplan, eds.: Proc.,
 Appl. Sci. Publishers, London, p. 947-953,
 (1976).
- Haderlie, E C
 Primary biofouling films on OTEC heat exchangers
 4th Ann. Conf. on Ocean Thermal Conversion, New
 Orleans, La., Mar. 22-24, 1977.
 IN Proc., Washington, D. C., Div. of Solar Energy
 Res. and Develop. Administration, 1977. 25 p.
- Haderlie, E C
 Fouling communities in the intertidal zone on wooden and concrete pilings in Monterey, California
 4th Int. Congress on Mar. Corrosion and Fouling,
 Juan-les-Pins France, June 14-18, 1976.
 IN Proc., Boulogue, France, Centre de Rechercas et d'Etudes Oceanographic, p. 241-251, (1977).
- Haderlie, E C
 Marine borers, potential threat to concrete and polymeric materials in OTEC systems
 Ocean Thermal Energy Conversion (OTEC) Biofouling and Corrosion Symp., Seattle, Wash., Oct., 1977.
 IN R.H. Gray, ed.: Proc., U. S. Department of Energy and Battelle Pacific Northwest Labs., p. 140-150, (Oct., 1978).

-

DEPARTMENT OF OCEANOGRAPHY JOURNAL PUBS & CCNFERENCE PROCS (cont d)

- Haderlie, E C
 Comparative natural resistance of four Central American hardwoods to marine borers
 4th Int. Biodeterioration Symp., West Berlin, Germany, Aug. 28-Sept. 1, 1978.
 IN Proc., Office of Naval Res., (ONR London Conf. rep. C-11-78), (Nov., 1978).
- Haderlie, E C
 Recent rock boring marine bivalves from Monterey Bay,
 California
 Dall Symp., Cordelleran Section, The Geological Soc.
 of Am., San Jose State Univ., San Jose, Calif., Apr.
 9-11, 1979.
 IN Proc., Geological Soc. Am., vol. 11, 81 p.,
 (1979).
- Haderlie, E C
 Range extension for Penitella fitchi Turner, 1955
 (Bivalvia: Phcladidae)
 Veliger, vol. 22, 85 p., (July, 1979).
- Haderlie, E C; Bultman, J D; DePalma, J R
 Comparative natural resistance of four Central American
 hardwoods to marine borers
 4th Int. Biodeterioration Symp.
 IN Proc., p. 304-314, (Sept., 1979).
- Haderlie, E.C.: Donat, W Wharf piling fauna and flora in Monterey harbor, California Veliger, vol. 21, p. 45-69, (1978).
- Jung, G H
 New calculations of heat transported poleward by ocean currents
 Fall Ann. Mtg. of Am. Geophys. Union, San Francisco, Calif., Dec., 1976.
 IN EOS, Trans. Am. Geophys. Union, vol. 57, no. 12, p. 930, (1976).
- Jung, G H
 Ocean energy transport anomalies during the Sunspot
 maximum of the IGY (Autumn 1957)
 Fall Mtg., Am. Geophys. Union, San Francisco, Calif.,
 Dec. 5-9, 1977.
 IN EOS, vol. 59, no. 12, Am. Geophys. Union, p.
 1220, (1977).

DEPARTMENT OF OCEANOGRAPHY JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Jung, G H; Mason, J R
 South Atlantic transports of mass, salt and heat during 1957-59
 Spring Mtg., Am. Geophys. Union, Washington, D. C., May 28-June 1, 1979.
 IN EOS, Am. Geophys. Union, p. 291, (May 1, 1979).
- Jung, G H: Sherfesee, L
 Mass, salt and heat transport derived from the SCORPIO
 sections across the Pacific Ocean at 28S and 43S
 Fall Mtg., Am. Geophys. Union, San Francisco, Calif.,
 Dec. 4-8, 1978.
 IN EOS, Am. Geophys. Union, p. 1116, (Dec., 1978).
- Leipper, D F Coastal fog forecasting IN Ann. Fcg Conf., Reno, Nev., Jan., 1976.
- Mooers, C N K
 Overview of the physical dynamics of the continental
 margin
 Hydrological Sci. Bull., vol. 21, no. 3, p. 467-471,
 (1976).
- Mooers, C N K
 Physical variability of the continental shelf
 7th Colloquium on Ocean Hydrodynamics.
 IN Proc., Memoires de la Societe Royale des
 Sciences de Liege, Series 6, no. 10, p. 27-30,
 (1976).
- Mooers, C N K
 Informal Workshop on the New York Bight Phys.
 Oceanography & Meteorology, Lewes, Del., Nov. 1976
 IN College of Mar. Studies, Univ. of Delaware,
 Lewes, Del., (Technical rep.), 1977. 64 p.
- Mooers, C N K
 A model for internal tide-induced entrainment in a coastal baroclinic current
 Symp. on Modeling of Transport Mechanisms in Oceans and Lakes.
 IN Proc., Mar. Sci. Directorate, Department of Fisheries and the Environment, Ottawa, Canada, (Manuscript rep. series, no. 43), 1977, p. 229-235.

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DEFARTMENT OF OCEANOGRAPHY

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Mooers, C N K
 Informal workshop on East Coast Coastal Ecosystem
 Dynamics, Lewes, Del., Jan., 1977
 IN College of Mar. Studies, Univ. of Delaware,
 Lewes, Del., (Technical rep.), 1977. 61 p.
- Mooers, C N K
 Basic research goals of the physical oceanographic community engaged in current measurement
 Working Conf. on Current Meas.
 IN W. Woodward and K. Jensen, eds.: Proc.,
 College of Mar. Studies, Univ. of Delaware,
 Lewes, Del., (Technical rep. DEL-SG-3-78),
 1978, p. 333-335.
- Mooers, C N K
 Statistical hindcasting of offshore winds
 Fall Ann. AGU Mtg., San Francisco, Calif., Dec. 4-8,
 1978.
 IN Trans. AGU.
- Mooers, C N K
 Physical processes, and their scales, of possible significance to fisheries, expecially off the Northeastern United States
 Climate and Fisheries Workshop, Univ. of Rhode Island, Mar. 29-31, 1978.
 IN Proc.
- Mooers, C N K
 Frontal dynamics and frontogenesis
 Oceanic Fronts in Coastal Processes Workshop, Mar.
 Sciences Res. Center, May 25-27, 1977.
 IN M. J. Bowman and W. E. Esaias, eds.: Oceanic
 fronts in coastal processes: Proceedings. New
 York, Springer-Verlag, 1978, p. 16-22.
- Mooers, C N K
 Oceanic fronts: A summary of a Chapman Conference
 EOS, Trans. Am. Geophys. Union, vol. 59, no. 5, p.
 484-491, (1978).
- Mooers, C N K: Brooks, D A
 Fluctuations in the Florida Current, summer 1970
 Deer-Sea Res., vol. 24, no. 5, p. 399-425, (1977).
- Mooers, C N K: Broo 3, D A
 Free, stable con nental shelf waves in a barotropic, sheared boundary current
 J. Phys. Oceanogr., vol. 7, no. 3, p. 380-388,
 (1977).

DEPARTMENT OF OCEANOGRAPHY
JOUENAL PUBS & CONFERENCE PROCS (cont d)

- Mooers, C N K: Brooks, D A Wind-forced continental shelf waves in the Florida Current
 J. Geophys. Res., vol. 82, no. 18, p. 2569-2576, (1977).
- Mooers, C N K; Collins, C A; Smith, R L
 The dynamic structure of the frontal zone in the coastal upwelling off Oregon
 J. Phys. Cceanogr., vol. 6, no. 1, p. 3-21, (1976).
- Mooers, C N K; Duing, W; Lee, T N
 Low frequency variability in the Florida current and relations to atmospheric forcing, 1972-1974
 J. Mar. Res., vol. 35, no. 1, p. 129-161, (1977).
- Mooers, C N K; Fine, R A; Millero, F J Effects on non-linear P-V-T properties on the potential energy distribution in the Atlantic Ocean Deep-Sea Res., vol. 25, no. 1, p. 15-22, (1978).
- Mooers, C N K; Flagg, C; Boicourt, W
 Prograde and retrograde fronts
 Oceanic Fronts in Coastal Processes Workshop, Mar.
 Sciences Res. Center, May 25-27, 1977.
 IN M. J. Bowman and W. E. Esaias, eds.: Oceanic
 fronts in ccastal processes: Proceedings. New
 York, Springer-Verlag, 1978, p. 43-58.
- Mooers, C N K; Garvine, R W; Martin, W W; Johnson, D R Summertime synoptic variability of the Middle Atlantic shelf water/slope water front
 J. Geophys. Res., vol. 84, no. 8, p. 4837-4854,
 (Aug., 1979).
- Mooers, C N K; Hall, J M
 Resources of continental margins: Perspectives on a program for their management
 Oceans, vol. 10, no. 2, p. 61-63, (1977).
- Moders, C N K: Johnson, W R: Van Leer, J C A cyclesonde view of coastal upwelling J. Phys. Oceanogr., vol. 6, no. 4, p. 556-574, (1976).
- Mooers, C N K: Lee, T N
 Near-bottom temperature and current variability over the
 Miami Slope and Terrace
 Bull. Mar. Sci., vol. 27, no. 4, p. 758-775, (1977).

DEPARTMENT OF OCEANOGRAPHY
JOURNAL PUBS & CCNFERENCE PROCS (cont'd)

- Mooers, C N K; Price, J F; Van Leer, J C
 Observations and simulation of storm-induced mixed-layer deepening
 J. Phys. Oceanogr., vol. 8, no. 4, p. 582-599,
 (1978).
- Mooers, C N K; Wang, D P
 Coastal-trapped waves in a continuously stratified ocean
 J. Phys. Cceanogr., vol. 6, no. 6, p. 853-863,
 (1976).
- Mooers, C N K; Wang, D P
 Evidence for interior dissipation and mixing during a coastal upwelling event off Oregon
 J. Mar. Res., vol. 35, no. 4, p. 697-713, (1977).
- Mooers, C N K; Wang, D P
 Long coastal-trapped waves off the west coast of the
 United States, summer 1973
 J. Phys. Oceanogr., vol. 7, nc. 6, p. 856-864,
 (1977).
- Paquette, R G
 Atlantic water on the Chukchi shelf
 Ann. Fall Mtg., Am. Geophys. Union, San Francisco,
 Calif., Dec., 1976.
 IN Trans. Am. Geophys. Union, vol. 57, no. 12, p.
 939, (1976).
- Paquette, R G: Bourke, R H
 The oceanography of the marginal sea ice zone
 Nav. Res. Revs., vol. 29, no. 2, p. 29-30, (1976).
- Paquette, R G; Bourke, R H
 Atlantic water on the Chukchi shelf
 Geophys. Res. Letters, vcl. 3, no. 10, p. 629-632,
 (1976).
- Paquette, R G; Bourke, R H
 Low frequency acoustic propagation and oceanography of
 the Pacific Marginal Sea Ice Zone (U)
 U. S. Navy J. Underwater Acoustics, vol. 27, no. 1,
 p. 191-209, (1977).
- Paquette, R G: Bourke, R H
 Temperature finestructure near the sea-ice margin of the Chukchi Sea
 J. Geophys. Res., vol. 84, no. C3, p. 1155-1164,
 (Mar. 20, 1979).

DEPARTMENT OF OCEANOGRAPHY

JCUENAL PUBS & CCNFERENCE PROCS (cont'd)

- Thompson, W C
 Tides, time and shoreline processes: Part I: Tides and tidal datum planes Part II: Beaches and shoreline processes
 Water Boundaries Workshop of the Calif. Land Surveyors Assoc., San Mateo, Calif., Nov., 1976.
- Thompson, W C
 Tides, time, and shoreline processes
 Water Boundaries Workshop, Irvine, Calif., May 20-21,
 1977.
 IN Proc., Calif. Land Surveyors Assoc., p. 22-24,
 (1977).
- Thompson, W C: Reynclds, F M
 Ocean wave statistics from FNWC spectral analyses
 15th Int. Ccastal Eng. Conf., Honolulu, HI, July,
 1976.
 IN ASCE, p. 776-777, (1976).
- Thompson, W C; Vieira, M E C
 Seasonal sanding of Ventura Harbor entrance
 15th Int. Coastal Eng. Conf., Honolulu, HI, July,
 1976.
 IN ASCE, p. 514-515, (1976).
- Thornton, E B
 Kinematics of breaking waves
 IN ONE Coastal Dynamics Conf., San Diego, Calif.,
 Mar., 1976.
- Thornton, E B
 Rederivation of the saturation range in the frequency spectrum of wind generated gravity waves
 J. Phys. Oceanogr., vol. 7, nc. 1, (1977).
- Thornton, E B
 Kinematics of breaking waves
 Coastal Geography Programs 1978 Ann. Rev., St. Croix,
 V. I., Apr. 23-27, 1978.
- Thornton, E B
 Discussion: The wave pump: Conversion of wave energy
 to current energy
 J. Waterway, Port, Coastal and Ocean Div., vol. 104,
 no. WW4, p. 459-460, (Nov., 1978).

DEPARTMENT OF OCEANOGRAPHY

JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Thornton, E B
 Surf zone dynamics
 Nearshore Sediment Transport Workshop, La Jolla,
 Calif., July 16-18, 1978.
 IN Proc., Univ. of California, (1978).
- Thornton, E B
 Energetics of breaking waves
 J. Geophys. Res., vol. 84, no. C8, p. 4931-4938,
 (Aug. 20, 1979).
- Thornton, E B: Boston, N E J
 Wave induced temperature fluctuations
 Nat. Fall Mtg. Am. Geophys. Union, San Francisco,
 Calif., Dec., 1976.
 IN EOS, vol. 57, p. 942, (1976).
- Thornton, E B; Lee, T; Black, K
 Waves across a reef
 Nat. Fall Mtg. Am. Geophys. Union, San Francisco,
 Calif., Dec. 6, 1976.
 IN EOS, vol. 57, p. 939, (1976).
- Thornton, E B: Morris, W D
 Suspended sediments measured in the surf zone
 Symr. on Coastal Sediments 1977, Charleston, S. C.,
 Nov. 2-4, 1977.
 IN Proc., Am. Soc. of Civil Engrs., p. 655-668,
 (1978).
- Thornton, E B; Schaeffer, G
 Probability functions of breaking waves
 16th Int. Ccnf. on Coastal Eng., Hamburg, Germany,
 Sept., 1978.
 IN Proc., Am. Soc. of Civil Engrs., (1978).
- Thornton, E B: Schaeffer, G
 Probability of functions of breaking waves
 16th Int. Conf. on Coastal Eng., Hamburg, Germany,
 Sept., 1978.
 IN Proc., Am. Soc. of Civil Engrs., p. 507-519,
 (1979).
- Traganza, E D
 Satellite observations of a nutrient upwelling off the coast of California
 Mar. Chemistry into the Eighties, Univ. of Victoria, Victoria, B. C., Canada, May 31-June 1, 1979.
 IN Marine Chemistry into the Eighties, Univ. of Victoria, (June, 1979).

- -

DEPARTMENT OF OCEANOGRAPHY

JOUENAL PUBS & CONFERENCE PROCS (cont'd)

- Traganza, E D: Graham, K J
 Carbon/adenosine triphosphate ratios in marine
 zooplankton
 IN EOS Trans Am. Geophys. Union, vol. 57, no.
 12, p. 938, (1976).
- Traganza, E D: Graham, K J
 Carbon/adenosine triphosphate ratios in marine
 zooplankton
 Deep Sea Res., vol. 24, p. 1187-1193, (1977).
- Traganza, E D; Radney, J C; Graham, K J
 A convenient method for the determination of carbon in
 marine net zooplankton
 Marine Chemistry, vol. 4, p. 165-173, (1976).
- Traganza, E D; Swinnerton, J W; Cheek, C H
 Methane supersaturation and ATP-zooplankton blooms in
 near-surface waters of Western Mediterranean and the
 subtropical North Atlantic Ocean
 Deep Sea Res., vol. 26, p. 11a, (Nov., 1979).
- Wickham, J B
 An integrated study of the Californian countercurrent
 IN Colloquium on the California Countercurrent
 EPOC, (Eastern Pacific Oceanogr. Community),
 Lake Arrowhead, Calif., Sept., 1976.

DEPARTMENT OF OCEANOGRAPHY TECHNICAL REPORTS AND NOTES

- Andrews, R S
 Watsonville sewage outfall Marine geophysical
 investigations
 Final rep. submitted to the City of Watsonville
 through Environmental Res. Consultants, Inc., Arcata,
 Calif., 1976. 17 p.
- Bourke, R H; Paquette, R G
 Oceanographic investigation of the marginal sea ice zone
 of the Chukchi Sea-MIZPAC 1974
 Naval Postgraduate School, (NPS-58Pa760519), 1976.
 38 p.
- Bourke, R H; Paquette, R G
 Atlantic water on the Chukchi shelf
 Naval Postgraduate School, (NPS-68Bf76121), 1976. 4
- Bourke, R H; Paquette, R G; Zuberbuhler, W J; Roeder, J A Oceanography, mescstructure, and currents of the Pacific Marginal Sea-Ice Zone--MIZPAC 1975

 Sponsored by the Arctic Submarine Lab., Naval Ocean Systems Center, San Diego, Calif. Naval Postgraduate School, (NPS-58Pa76091), Sept., 1976. 203 p.
- Bourke, R H; Pfeiffer, J F
 Evidence of subarctic water mass intrusions at ocean weather station NOVEMBER
 Naval Postgraduate School, (NPS-68Bf76121), 1976.
- Elsberry, R L; Gallacher, P C; Garwood, R W
 One-dimensional mcdel predictions of ocean temperature
 anomalies during Fall 1976
 Prepared for Naval Ocean Res. and Develop. Activity
 (NOEDA). Naval Postgraduate School, (NPS63-79-003),
 Aug., 1979. 30 p.
- Elsberry, R L; Garwood, R W
 Pirst-generation numerical ocean prediction models:
 Goal for the 1980's
 Sponsored by Naval Ocean Res. and Develop. Activity,
 Office of Naval Res., Ocean Sci. and Technol. Naval
 Postgraduate School, (NPS 63-79-007), Dec., 1979. 43
 p.
- Garwood, R W
 A general model of the ocean mixed-layer using a
 two-component turbulent kinetic energy budget with mean
 turbulent field closure
 (NOAA Tech. Rep.), 1976.

- 3

11

7

DEPARTMENT OF OCEANOGRAPHY TECHNICAL REPORTS AND NOTES

(cont'd)

- Haderlie, E C
 Sounds produced by wood boring marine animals and attempts to detect these animals in waterfront structures using passive sonic techniques

 Final rep. for period Jan., 1979 to Aug., 1979.
 Naval Postgraduate School, (NPS68-79-001), Sept., 1979. 25 p.
- Mooers, C N K
 The study of the atmospheric forcing of Georges Bank
 New England Cuter Continental Shelf Phys. Oceanogr.
 Program. EG & G, Environmental Consultants, (Status rep.), 1978. 100 p.
- Mooers, C N K
 The study of atmospheric forcings of Georges Bank
 New England Cuter Continental Shelf Phys. Oceanogr.
 Program. EG & G, Environmental Consultants, (Final rep.), 1978. 91 p.
- Mooers, C N K; Curtin, T B; Wang, D P; Price, J F
 Bibliography for cceanic fronts and related topics
 Rosenstiel School of Mar. and Atmos. Sci., Univ. of
 Miami, Miami, Fla., (Special project), 1976. 28 p.
- Mooers, C N K; Fernandez-Partagas, J; Price, J F
 Meteorological forcing fields of the New York Bight
 Univ. of Miami, Miami, Fla., (1st Year's Progress
 Rep.) (TR76-8), 1976. 151 p.
- Mocers, C N K; Johnson, W R; Koeb, P I
 Joint II R/V Columbus Iselin leg 1 CTD measurements of
 the coast of Peru
 College of Mar. Studies, Univ. of Delaware, Lewes,
 Delaware, Coastal Upwelling Ecosystems Analysis
 Program, Int. Decade of Ocean Exploration, (Data Rep.
 56), Apr., 1979. 408 p.
- Mooers, C N K; Niiler, P P; Witte, J
 A model shelf dynamics program
 Nova Univ., Fort Lauderdale, Fla., (Technical rep.),
 1977. 82 p.
- Paquette, R G
 Cruise report MIZPAC 78, USCGC GLACIER
 Sponsored by the Arctic Submarine Lab., Naval Ocean
 Systems Center, San Diego, Calif. Naval Postgraduate
 School, Oct. 5, 1978. 3 F.

DEFARTMENT OF OCEANOGRAPHY TECHNICAL REPORTS AND NOTES

(cont'd)

- Paquette, R G; Bourke, R H
 Oceanographic investigations of the Marginal Sea Ice
 Zone of the Chukchi Sea -- MIZPAC 1974
 Naval Postgraduate School, (NPS-58Pa76051), 1976. 38
 p.
- Paquette, R G: Eourke, R H
 Temperature finestructure near the sea-ice margin of the Chukchi Sea
 Sponsored by the Arctic Submarine Lab., Naval Ocean Systems Center, San Diego, Calif. Interim rep. for period Oct. 1, 1978 Sept. 30, 1979. Naval Postgraduate School, (NPS68-79-004), May, 1979. 17
- Paquette, R G: Bourke, R H
 The oceanographic cruise of the USCGC GLACIER to the marginal sea-ice zone of the Chukchi Sea MIZPAC 78
 Sponsored by the Arctic Submarine Lab., Naval Ocean Systems Center, San Diego, Calif. Interim rep. for period July, 1978 May, 1979. Naval Postgraduate School, (NPS-68-79-003), May, 1979. 77 p.
- Paquette, R G: Bourke, R H: Zuberbuhler, W J: Roeder, J A
 Oceanography, mesostructure and currents of the Pacific
 marginal sea-ice zone -- MIZPAC 1975
 Sponsored by the Arctic Submarine Lab., Naval Ocean
 Systems Center, San Diego, Calif. Naval Postgraduate
 School, (NPS-58Pa76091), 1976. 203 p.
- Thompson, W C
 Specifications for the production of ocean wave
 statistics for the California Coast from FNWC singular
 wave analyses
 Naval Postgraduate School, (NPS-68Th76031), 1976. 19
 p.
- Thompson, W C: Reynolds, F M
 Climatological wave statistics derived from FNWC
 synoptic spectral wave analyses
 Naval Postgraduate School, (NPS-58ReTh76061), 1976.
 141 p.
- Thompson, W C; Reynclds, F M
 Ocean wave statistics from Fleet Numerical Weather
 Central spectral analyses
 Sponsored by the Calif. Department of Navigation and
 Ocean Develop. Fleet Numerical Weather Central,
 (FNWC Tech. Rep. No. 77-2), 1977. 20 p.

W. 275

DEPARIMENT OF OCEANOGRAPHY TECHNICAL REPORTS AND NOTES (cont'd)

- Thompson, W C; Winter, A W Environmental factors affecting sea/beach solid cargo transfer Naval Postgraduate School, (NPS-68Th76091), 1976. 294 p.
- Thornton, E B; Boston, N E J
 Small scale interactions and energy changes in the upper ocean
 Naval Postgraduate School, (NPS-68Tm76061), 1976.
- Traganza, E D
 The use of temperature and color in satellite detection of ocean fronts and eddies for ASW applications: A summary of selected literature condensed and edited by the author
 Sponsored by Naval Ocean Systems Center, San Diego, Calif. Naval Fostgraduate School, (NPS-68-79-008), Feb., 1979. 58 p.
- Traganza, E D
 Equilibrium calculations of ATP as a basis for "normal"
 C/ATP ratios in marine zooplanktcn
 Naval Postgraduate School, (NPS-68-79-006), Sept.,
 1979. 27 p.
- Traqanza, E D; Graham, K J and others
 Carbon/adenosine triphosphate ratios and the annual oceanography off Monterey, Calif., 1974
 Naval Postgraduate School, (NPS-58Tg76041), 1976.

- 1

DEPARTMENT OF MECHANICAL ENGINEERING CONFERENCE PRESENTATIONS

- Boone, D H
 Industrial and marine high temperature
 oxidation-corrcsion
 Pacific Northwest Metals and Mineral Conf., Portland,
 Or., May, 1978.
- Boone, D H
 Advances in gas turbine coatings and processing
 High Temperature Alloys for Gas Turbines, Liege,
 Belgium, Sept. 25-27, 1978.
- Boone, D B: Lowrie, B Characteristics of NIGALY overlay coatings Am. Ceramics Soc. Mtg., Bedford, Pa., Oct. 12-14, 1977.
- Boone, D H: Shen, S: Lee, D

 Effect of deposition rates on overlay coating structure
 Int. Conf. on Metallurgical Coatings, San Francisco,
 Calif., Apr., 1978.
- Cantin, G
 La methode des elements finis (Avec les mini-ordinateurs)
 Les Mini-ordinateurs en Ingenierie, Universite de Technologie, Compiegne, France, Apr., 1979.
- Davidson, K L; Fairall, C W; Houlihan, T M; Schacher, G E Evaporation duct height measurements
 7th CANCAM Conf., Shecbrooke, Canada, May, 1978.
- Davidson, K L: Fairall, C W: Houlihan, T M: Schacher, G E Shipboard measurement of turbulent parameters
 Am. Geophys. Union Mtg., San Francisco, Calif., Dec., 1977.
- Davidson, K L: Fairall, C W: Houlihan, T M: Schacher, G E Scaling laws for CN2 in marine boundary High Energy Laser Rev., Washington, D. C., July, 1978.
- McNelley, T R
 Microstructural, mechanical and ballistic
 characteristics of thermomechanically-processed
 ultra-high carbon steels
 Presented at the Ballistics Res. Lab. (BRL), U. S.
 Army Proving Grounds, Aberdeen, Md., Oct. 13, 1978.

y

DEPARTMENT OF MECHANICAL ENGINEERING CCNFERENCE PRESENTATIONS (cont'd)

- McNelley, T R; Ness, 7 G
 Microstructure, mechanical property relationships in an aluminum-magnesium alloy
 197th Ann. Mtg of the Metallurgical Soc. Am. Inst. of Mining, Metallurgical and Petroleum Engrs.
 (TMS-AIME), Denver, Colo., Feb., 1978.
- Newton, R E
 A finite element code for shock induced cavitation
 Computer Codes for Dynamic Structural Analysis, Fort
 Belvoir, Va., Aug. 8-9, 1979.
- Sarpkaya, T
 Effect of surface roughness on the resistance of cylinders in periodic flow
 Int. Conf. on Coastal Eng., Honolulu, HI, June, 1976.
- Sarpkaya, T Vortex shedding in periodic flows Int. Conf. on the Behavior of Offshore Structure, Trondheim, Aug., 1976.
- Sarpkaya, T
 Forces on and wortex shedding from oscillating bluff
 bodies
 14th Int. Congress of Theoretical and Appl. Mech.,
 Delft, the Netherlands, Aug. 30-Sept. 4, 1976.
- Sarpkaya, T
 Turbulence measurements in the near-wake flow field of a circular cylinder in a dilute-polymer solution flow Symp. on Structure of Turbulence and Drag Reduction, Int. Union of Theoretical and Appl. Mech., Washington, D. C., June 7-12, 1976.
- Sarpkaya, T Oscillating flow about circular cylinders at high Reynolds numbers Offshore Technol. Conf., May 3-6, 1976.
- Sarpkaya, T
 Hydroelastic response of cylinders in harmonic flow
 Spring Mtg. cf the R. Inst. of Nav. Architects,
 London, England.
- Stolfi, R: Fuhs, A E: Wang, P C C: Bourke, R H: Erman, R: Clifford, R
 Ice moving in sea water
 Presente at the 1st Int. Conf. on Iceberg
 Utilization, Ames, Iowa, Oct. 2-6, 1977.
 IN Proc., New York, N. Y., Pergamon Press, (1978).

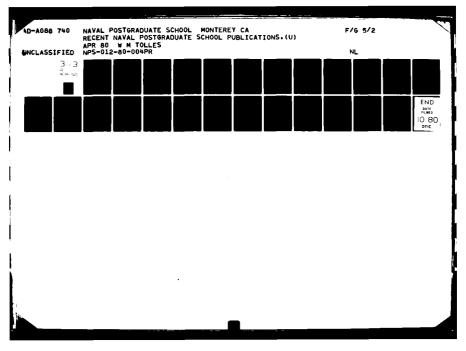
DEPARTMENT OF MECHANICAL ENGINEERING CONTRIBUTIONS TO BOOKS

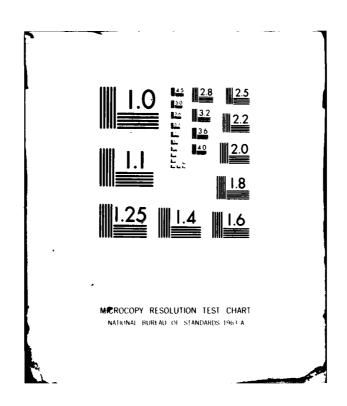
- Houlihan, T M
 Microccmputer design and applications
 IN J. Plunbett, ed.: MIDAS data acquisition
 system, Academic Press, 1977, p. 195-211.
- Marto, P J: Kroeger, P G
 Condensation heat transfer: Proceedings of 18th
 national heat transfer conference, San Diego, Calif.
 Am. Soc. Mech. Engrs., 1979. 118 p.
- Sarpkaya, T; Shoaff, R L
 Numerical modeling of vortex-induced oscillations
 IN Civil engineering in the oceans, vol. 1, ASCE,
 New York, N. Y., Sept., 1979, p. 504-515.

DEPARTMENT OF MECHANICAL ENGINEERING JOUENAL PUBS & CCNFERENCE PROCS

- Brock, J E
 Asymmetric moment loading of annular elastic plates
 J. Appl. Mech., vol. 43, Ser. E., no. 2, p. 353-355,
 (1976).
- Brock, J E Some remarks on plates and shells Int. J. Mech. Eng. Educ., vol. 4, no. 1, (1976).
- Brock, J E
 Dunkerley-Mikhlin estimates of gravest frequency of a vibrating system
 ASME Paper 76-PFM-33, J. Appl. Mech.
- Brock, J E
 An improved derivation of the Dunkerley-Mikhlin formula
 The Shock and Vibration Bull., no. 47, part 2, p.
 17-18, (1977).
- Brock, J E
 Flexibility analysis of L-bends
 Heating, Piping and Air Conditioning, vol. 51, no. 9,
 p. 89-90, (1977).
- Brock, J E A simple laboratory experiment in plastic bending Int. J. Mech. Eng. Educ., vol. 6, no. 2, p. 95-96, (1978).
- Brock, J E
 A simple model cf oblate earth
 Int. J. Mech. Eng. Educ., vol. 6, no. 3, p. 133-134,
 (1978).
- Brock, J E
 An experiment on the vibration of a cantilever
 Int. J. Mech. Eng. Educ., vol. 6, no. 2, p. 97-100,
 (1978).
- Brock, J E
 Simple snap-through behavior of a prismatic bar
 Int. J. Mech. Eng. Educ., vol. 6, no. 2, p. 93-94,
 (1978).
- Brock, J E Lower bounds for gravest torsional frequencies J. Appl. Mech. (Trans. ASME), vol. 45, no. 1, p. 197-198, (1578).

-





DEPARTMENT OF MECHANICAL ENGINEERING
JOUENAL PUBS & CCNFERENCE PROCS (cont'd)

- Brock, J E
 Buckling of a simple elastic structure—a complicated
 and deceptive subject
 Int. J. Mech. Eng. Educ., vol. 6, no. 3, p. 135-139,
 (1978).
- Brock, J E
 A remark on the lateral buckling of an uniform beam
 J. Appl. Mech., vol. 46, no. 3, p. 699-700, (1979).
- Cantin, G: Stronge, W J: Kibler, A E
 A comparison of various computer code
 Adina Conf., Boston, Mass., 1977.
 IN Proc., M.I.T. Press, 1977. 20 p.
- Davidson, K L: Fairall, C W: Houlihan, T M: Schacher, G E Chipboard evaluations of drag coefficients
 Oceans '78, Washington, C. C., Sept., 1978.
 IN Oceans '78: The ocean challenge, IEEE, 1978, p. 11.
- Davidson, K L; Fairall, C W; Houlihan, T M; Schacher, G E Optimal turbulence parameters in marine boundary Lasers '78, Crlando, Fla., Dec., 1978.

 IN Proc., Sponsored by the Soc. of Photo-Optical Instrumentation Engrs., p. 10, (1978).
- Fuhs, A E
 Distortion of laser turret optics due to aircraft
 mainstream flow
 J. Optical Scc. Am., vol. 66, p. 1137, (Oct., 1976).
- Fuhs, A E A baker's dozen J. Aircr., vol. 13, p. 1-2, (Jan., 1976).
- Fuhs, A E
 Computer-drawn graphs help calculate effects of heating
 by laser radiation
 Laser Focus Magazine, p. 66-73, (1976).
- Fuhs, A E A year to remember J. Aircr., vol. 14, p. 1-2, (Jan., 1977).
- Fuhs, A E
 A rising sun in aircraft
 Astronautics and Aeron., vol. 16, no. 6, p. 52-59,
 (1978).

DEPARTMENT OF MECHANICAL ENGINEERING
JOUENAL PUBS & CONFERENCE PROCS (cont'd)

- Fuhs, A E Recognition and appreciation J. Aircr., vol. 15, no. 1, p. 1-3, (1978).
- Puhs, A E: Biblarz, C
 Laser aerodynamics
 Nav. Res. Rev., vol. 29, no. 2, p. 11-13, (1976).
- Fuhs, A E: Carey, E F
 Transonic thermal blooming due to an intense laser beam
 J. Aircr., vol. 13, no. 12, p. 974-980, (1976).
- Fuhs, A E: Vanderplaats, G
 Aerodynamic design of a conventional windmill using numerical optimization
 J. Energy, vol. 1, no. 2, p. 132-134, (1977).
- Houlihan, T M
 Research at the Naval Postgraduate School
 Nav. Res. Rev., vol. 29, no. 2, p. 1-5, (1976).
- Houlihan, T H
 Laser research studies benefit fleet
 Campus, p. 20-23, (July, 1977).
- Houlihan, T M Midas Nav. Aviation News, p. 16-17, (Jan., 1978).
- Houlihan, T M
 Laser research lights the way
 All Hands, nc. 737, p. 24-25, (1978).

7

- Houlihan, T M
 Signal lamps of the future
 Mar. Technol. Soc. J., vol. 12, no. 3, p. 24-27,
 (1978).
- Houlihan, T M; Davidson, K L
 Properties of small scale turbulence in fog
 5th Biennial Symp. on Turbulence, Univ. of Missouri,
 Rolla, Mo., Cct., 1977.
 IN Proc., p. 5., (1977).
- Houlihan, T M; Dundus, M Modern analysis of hydraulic control systems Nat. Conf. on Fluid Power, Philadelphia, Pa., Nov., 1978. IN Proc., Sponsored by the Illinois Inst. Technol., p. 8, (1978).

DEPARTMENT OF MECHANICAL ENGINEERING

JOUENAL PUBS & CONFERENCE PROCS (cont d)

- Houlihan, T M: Melanephy, J

 Jet flap fluidic control system

 11th Navy Aerotallistics Committee Symp.,

 Philadelphia, Pa., Aug., 1978.

 IN Proc., Sponsored by the Naval Air Develop.

 Center, p. 8, (1978).
- Houlihan, T M; NFS EC/LT Group Laser transmission in the marine environment NAVSEA J., vol. 25, p. 2-8, (1976).
- Houlihan, T M: Fereru, K
 Curved wall boundary layer flow
 70th Ann. Mtg. of the Am. Inst. of Chemical Engrs.,
 New York, N. Y., Nov., 1977.
 IN Proc., p. 7, (1977).
- Houlihan, T M: Toney, J

 Modelling techniques for gas turbine systems

 5th Ship Controls Symp., Annapolis, Md., Oct., 1978.

 IN Proc., Sponsored by the Naval Ship Res.

 Develop. Center, p. 11, (1978).
- Houlihan, T M: Tyler, B: Gongaware, W
 Development of an oil-water pollution monitoring system
 ASME J., p. 125-128, (Apr., 1977).
- Kelleher, M D
 Effects of gravity on gas loaded variable conductance
 heat pipes
 2nd Int. Heat Pipe Conf., Bologna, Italy, Apr., 1976.
 IN Proc.
- Kelleher, M D: Flentie, D L: McKee, R J
 An experimental study of the secondary flow in a curved rectangular channel
 Joint ASME/CSME Appl. Mech., Fluids Eng. & Bioengineering Conf., Niagara Falls, N. Y., June 18-20, 1979.
 IN Proc., (79-FE-6), (1979).
- Marto, P J
 Naval engineering at the Naval Postgraduate School:
 Educating for tcmorrow's Navy
 ASNE Day, Washington, D. C., May 6-7, 1976. Nav.
 Engis. J.

DEFARTMENT OF MECHANICAL ENGINEERING
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Marto, P J
 Performance characteristics of rotating, wickless heat
 pipes
 2nd Int. Heat Pipe Conf., Bologna, Italy, Mar. 31 Apr. 2, 1976.
 IN Proc.
- Marto, P J; MacKenzie, D K; Rivers, A D
 Nucleate boiling in the thin liquid layers
 Nat. Heat Transfer Conf., St. Louis, Aug., 1976.
 IN Proc.
- Marto, P J; Reilly, D J; Fenner, J H
 An experimental comparison of enhanced heat transfer
 condenser tubing
 18th Nat. Heat Transfer Conf., San Diego, Calif.,
 Aug. 6-8, 1979.
 IN Advances in enhanced heat transfer, Am. Soc. of
 Mech. Engrs., p. 1-9, (1979).
- Marto, P J: Wagenseil, L L
 Augmenting the condenser heat transfer performance of
 rotating heat pipes
 3rd Int. Heat Pipe Conf., Palo Alto, Calif., May,
 1978.
 IN Proc., Am. Inst. of Aeron. & Astronautics, p.
 439, (1978).
- Marto, P J: Wagenseil, L L
 Augmenting the condenser heat transfer performance of
 rotating heat ripes
 Am. Inst. of Aeron. and Astronautics J., vol. 17, no.
 6, p. 647-652, (June, 1979).
- McNelley, T R: Gates, S P Inverse strain-rate sensitivity and the Portevin-Le Chatelier effect Acta Metallurgica, vol. 26, no. 10, p. 1605-1614, (1978).

à

- McNelley, T R; Edwards, G R; Sherby, O D
 A microstructural correlation between the mechanical
 behavior of large volume fraction particulate composites
 at low and high temperatures
 Acta Met., vol. 25, p. 117-124, (1977).
- McNelley, T R: Lucas, G F
 A comparison between creep of laminated aluminum and the transverse creep behavior of a unidirectional boron-aluminum composite
 Met. Trans., vol. 7(A), p. 1317-1324, (1976).

DEPARTMENT OF MECHANICAL ENGINEERING
JOURNAL PUBS & CONFERENCE PROCS (cont'd)

- Newton, R E: Atchiscn, D L
 Response of a ring-stiffened cylinder to an acoustic
 blast wave
 2nd Int. Symp. on finite Element Methods in Flow
 Problems, Santa Margherita Ligure, Italy, June 14-18,
 1976.
 IN Proc., p. 703-713, (1976).
- Nguyen, D H: Salinas, D Finite-element solutions of space-time nonlinear reactor dynamics Nucl. Sci. Eng., vol. 60, no. 2, p. 120-130, (1976).
- Nunn, R H: Gibson, E J Liquid container filling and charging J. Eng. Ind., vol. 98, ser. B, no. 2, p. 730-732, (1976).
- Nunn, R H; Smith, L H
 Aerodynamic characteristics of an axisymmetric body
 undergoing a uniform pitching motion
 J. Spacecraft and Rockets, vol. 13, no. 1, p. 8-14,
 (1976).
- Perkins, A J
 A problem solving approach to teaching a survey course Eng. Educ., vol. 66, no. 8, p. 845-847, (1976).
- Perkins, A J: Edwards, G R
 Haterials engineering research
 Nav. Res. Rev., vol. 29, no. 1, p. 24-28, (1976).
- Perkins, A J; Edwards, G R
 Thermomechanical characteristics limiting the mechanical utility of strain-reversible martensitic deformation (shape memory effects) in NiTi alloys
 IN TMS-AIME 1976 Ann. Mtg., Las Vegas, Nev.,
 Feb., 1976.
- Perkins, A J: Lucas, G F
 The transverse creep behavior of a unidirectional boron-aluminum composite material Met. Trans., (1976).

1

Perkins, A J; Todd, J M Corrosion of zinc anodes in seawater Nav. Engrs. J., vol. 88, no. 4, p. 65-72, (1976).

DEPARTMENT OF MECHANICAL ENGINEERING
JOUENAL PUBS & CCNFERENCE PROCS (cont'd)

- Perkins, A J; Todd, J H Nucleation and growth of anodic electrocrystallization products on zinc in seawater Corrosion, (1976).
- Perkins, J
 Morphology of ZnO microcrystals
 J. Crystal Growth, vol. 40, p. 152-156, (1977).
- Perkins, J
 Materials and mechanisms determining the performace of lead-acid storage batteries
 Materials Sci. and Eng., vol. 28, p. 167-199, (1977).
- Perkins, J: Borhnoldt, R A
 Corrosion product morphology in anodic
 electrocrystalization of zinc oxide in sea water
 Corrosion Sci., (1976).
- Perkins, J; Bcrnholdt, R A
 The corrosion product morphology found on sacrificial
 zinc anodes
 Corrosion Sci., vol. 17, p. 377-384, (1977).
- Perkins, J: Coyle, M T
 Observation of a substructural network in the positive plates of lead-acid storage batteries
 J. Electrochemical Soc., p. 525-528, (Oct., 1977).
- Perkins, J; Goldberg, A
 Behavior of oxide films on high temperature alloys in
 carbonaceous gas atmospheres
 Oxidation of Metals, vol. 11, p. 23-55, (1977).
- Perkins, J: Keelean, M R
 Interface corrosion of explosively bonded aluminum steel composites in seawater spray atmospheres daterials Performance, vol. 16, no. 7, p. 13-20, (1977).
- Perkins, J: Luebke, W H: Graham, K J: Todd, J H Anodic corrosion of zinc alloys in seawater J. Electrochemical Soc., vol. 124, p. 819-826, (1977).

ः

Salinas, D; Franke, R H
An efficient method for solving stiff transient field
problems arising from FEM formulations
2nd Int. Conf. on Computational Methods in Nonlinear
Mech. (TICOM), Univ. of Texas, Austin, Tex., Mar.
23-30, 1979.
IN Proc.

DEFARTMENT OF MECHANICAL ENGINEERING
JOURNAL PUBS & CCNFERENCE PROCS (cont'd)

- Salinas, D; Nguyen, D H
 Finite element sclutions of space-time nonlinear reactor dynamics
 Nucl. Sci. Eng., vol. 60, no. 2, p. 120-130, (1976).
- Sarpkaya, T Forces on rough-walled cylinders in harmonic flow Coastal Eng., vol. 3, p. 2301-2320, (1977).
- Sarpkaya, T In-line and transverse forces on cylinders in oscillatory flow at high Reynolds numbers J. cf Ship Res., vol 21, no. 4, p. 200-216, (1977).
- Sarpkaya, T
 Wave impact forces on cylinders in harmonic flow
 10th Offshore Technol. Conf., Houston, Tex.
 IN Proc., vol. 1, no. 3065, p. 178-192, (1978).
- Sarpkaya, T
 The hydrodynamic resistance of roughened cylinders in harmonic flow
 Trans. of the B. Inst. of Nav. Architects, vol. 120, Mar./no. 2, p. 41-55, (1978).
- Sarpkaya, T
 Pluid forces on oscillating cylinders
 ASCE, J. Waterway, Port, Coastal and Ocean Div., vol.
 104, no. WW4, p. 275-290, (1978).
- Sarpkaya, T
 Flow about a missile at a high angle of attack and the impulsive flow analogy
 NASA High Angle of Attack Missile Technol. Conf.,
 Langley, Va., Mar. 21-23, 1978.
 IN Proc., High Angle of Attack Missile Technol.
 Conf., Nat. Aeron. and Space Administration,
 Washington, D. C.
- Sarpkaya, T
 Wave loading in the drag/inertia regime with particular reference to groups of cylinders
 Int. Symp. on Wave Forces on Offshore Structures,
 Bristol, England.
 IN Wave forces on offshore structures, Univ. of
 Bristcl, England, p. 37-56, (1978).

1

DEPARTMENT OF MECHANICAL ENGINEERING
JOURNAL PUBS & CCNFERENCE PROCS (cont'd)

- Sarpkaya, T
 . Lateral oscillations of smooth and rough cylinders in harmonic flow
 Symp. on Mech. of Wave-Induced Forces on Cylinders, Univ. of Bristol, Sept. 3-6, 1978.
 IN Proc., Univ. of Bristol, p. 373-387, (1979).
- Sarpkaya, T
 Wave impact loads on cylinders
 Soc. Petroleum Eng. J., vcl. 19, no. 1, p. 29-36,
 (1979).
- Sarpkaya, T
 Acceleration forces exerted on finite cylinders by an oscillating air bubble
 Trans. of the Am. Nucl. Scc., vol. 29, p. 429-430, (June, 1979).
- Sarpkaya, T Vortex-induced oscillations: A selective review J. Appl. Mech., vol. 46, no. 2, p. 241-258, (June, 1979).
- Sarpkaya, T
 Wave loading in the drag/inertia regime with particular reference to groups of cylinders
 Symp. on Mech. of Wave-Induced Forces on Cylinders,
 Univ. of Bristol, Sept. 3-6, 1978.
 IN Proc., Univ. of Bristol, p. 345-372, (1979).
- Sarpkaya, T: Rajabi, F
 Dynamic response of piles to vortex shedding in
 oscillating flows
 11th Offshore Technol. Conf., Houston, Tex., May,
 1979.
 IN Proc., p. 2523-2528, (1979).

1

11

Sarpkaya, T; Shoaff, R L
An inviscid model of two-dimensional vortex shedding for transient and asymptotically-steady separated flow over a cylinder
AIAA Mtg., New Orleans, La., Jan., 1979.
IN J. Am. Inst. of Aeron. and Astronautics (AIAA J.), (Oct., 1979).

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DEFARTMENT OF MECHANICAL ENGINEERING
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- Vanderplaats, G N
 The computer for design and optimization
 ASME Winter Ann. Mtg., New York, N. Y., Dec., 1976.
 IN Proc., (1976).
- Vanderplaats, G N
 The computer for design and optimization
 ASME Winter Ann. Mtg., Computing and Appl. Mech., New
 York, N. Y., Dec. 5-10, 1976.
 IN Proc., (1976).
- Vanderplaats, G N
 Structural optimization via a design space hierarchy
 Int. J. for Numerical Methods in Eng., vol. 10, no.
 3, (1976).
- Vanderplaats, G N
 Automated optimization techniques for aircraft synthesis
 AIAA Aircr. Systems and Technol. Mtg., Dallas, Tex.,
 Sept., 1976.
 IN AIAA Paper No. 76-909, (1976).
- Vanderplaats, G N
 Application of optimization techniques in engineering design
 Symp. on Application of Computer Methods in Eng.,
 Univ. of Southern California, Aug. 23-26, 1977.
 IN Proc., (1977).
- Vanderplaats, G N: Fuhs, A E Aerodynamic design of a conventional windmill using numerical optimization AIAA J. Energy, vol. 1, no. 2, (Mar./Apr., 1977).
- Vanderplaats, G N: Gregory, T
 A preliminary assessment of the effects of advanced technology on supersonic cruise tactical aircraft Super Cruise Military Aircr. Des. Conf., Colorado Springs, Colo., Feb., 1976.
 IN Proc., (1976).

4

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- Boresi, A P
 Transient response of a gun system under repeated firing
 Naval Postgraduate School, (NFS-69-79-008), Sept.,
 1979. 73 p.
- Boresi, A P: Salinas, D
 Vibration of a cantilever beam that slides axially in rigid frictionless hole
 Naval Postgraduate School, (NPS-69-79-009), Sept., 1979. 19 p.
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 A computer subroutine for stress analysis of rotating disks II
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- Brock, J F
 An Euler buckling Eigensystem for a nonprismatic strut
 J. Appl. Mech. (Trans. ASME), vol. 45, no. 2, p.
 439-440, (1578).
- Brock, J E: Brown, R E
 A computer subjectine for stress analysis of rotating heated disks
 Sponsored by the Office of Naval Res. Naval Postgraduate School, (NPS-6978012), 1978. 20 p.
- Davidson, K L: Fairall, C W: Houlihan, T M: Schacher, G E Evaporation duct height measurements in mid-Atlantic Sponsored by the Oceanographer of Navy. Naval Postgraduate School, (NPS-6178005), 1978. 136 p.
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- Davidson, K L; Fairall, C W; Hculihan, T M; Schacher, G E Atmospheric turbulence measurements in fog Sponsored by the Naval Air Systems Command. Naval Postgraduate School, (NPS-6177004), 1977. 61 p.

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- Davidson, K L; Fairall, C W; Houlihan, T M; Schacher, G E Atmospheric boundary layer in vicinity of San Nicholas Island
 Sponsored by the Naval Air Systems Command. Naval Postgraduate School, (NPS-6178007), 1978. 69 p.
- Davidson, K L; Houliban, T M; Fairall, C W; Schacher, G E Observations of the temperature structure function parameter, C-squared-sub-T, over the ocean Naval Postgraduate School, (NFS63-78-005), Sept., 1978. 45 p.
- Pairall, C W; Davidson, K L; Houlihan, T M; Schacher, G E USNS Hayes boundary layer research cruise Sponsored by the Naval Air Systems Command. Naval Postgraduate School, (NPS-61PrDsHmSq77111), 1977. 32 p.
- Franke, R H; Salinas, D
 An efficient method of solving stiff transient field problems arising from FEM formulations
 Naval Postgraduate School, (NPS 53-79-002), Mar.,
 1979. 18 p.
- Fuhs, A E: Fuhs, S E
 Phase distortion due to airflow over a hemispherical
 laser turret
 Naval Postgraduate School, (NPS-69Fu76101), 1976. 31
 p.
- Fuhs, A E; Tauber, M E; Paterson, J A
 A program for calculating turbofan-driven lift-fan
 propulsion system performance
 Ames Res. Center, Moffett Field, Calif., (NASA
 TM-X-73, 173), 1976. 26 p.
- Garrison, C J
 Hydrodynamic interaction of waves with a large displacement floating body
 Naval Postgraduate School, (NPS-69Gm77091), Sept., 1977. 159 p.
- Garrison, C J
 The consistent second-order theory of wave/structure interaction
 Naval Postgraduate School, (NPS-69-79-010), Sept., 1979. 43 p.

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- Houlihan, T M: Fairall, C W: Davidson, K L: Schacher, G E Experimental shipboard turbulence measurement system Sponsored by the Naval Sea Systems Command. Naval Postgraduate School, (NPS-6178001), 1978. 66 p.
- Kelleher, M D
 Effects of gravity on gas-loaded variable conductance
 heat pipes
 Naval Postgraduate School, (NPS-69Kk77031), 1977. 62
- Kelleher, M D: Buckingham, J R: Raike, W M An optimization study of a low thermal potential power system Naval Postgraduate School, (NPS-69Kk76091), 1976. 108 p.
- Marto, P J: Nunn, R N
 Exploratory design and development of compact naval condensers
 Sponsored by Naval Sea Systems Command. Rep. for the period Jan. 8 Apr. 1, 1979. Naval Postgraduate School, (Interim Rep. no. 1), 1979. 62 p.
- McNelley, T R
 Ballistic limit determination for themomechanically processed ultra-high carbon steels and ultra-high carbon steel laminates
 Sponsored by the Ballistics Res. Lab. (BRL) and Stanford Res. Inst. (SRI). Naval Postgraduate School, (NPS 69-78-020), Dec., 1978. 17 p.
- McNelley, T R
 Ballistic limit determination for thermomechanically processed ultra-high carbon steels and ultra-high carbon steel laminates
 Sponsored by the Ballistics Res. Lab. (BRL) and Stanford Res. Inst. (SRI). Stanford Res. Inst., (Final rep., Froject no. PYU-7387). 1978.
- Newton, R E
 Underwater nuclear shock mitigation by resilient
 attenuators (U)
 Sponsored by Defense Nucl. Agency. Naval
 Postgraduate School, (NPS-69Ne77081), Aug., 1977. 43
 p.

DEFARTMENT OF MECHANICAL ENGINEERING TECHNICAL REPORTS AND NOTES (cont'd)

- Newton, R E

 Effects of cavitation of underwater shock loading axisymmetric geometry

 Sponsored by the Defense Nucl. Agency. Naval
 Postgraduate School, (NPS-69-78-017PR), Nov., 1978.
 9 p.
- Newton, R E
 Effects of cavitation on underwater shock loading Part
 Naval Postgraduate School, (NPS-6978013), July, 1978.
 30 p.
- Newton, R E

 Effects of cavitation on underwater shock loading plane problem. Part I

 Spensored by the Defense Nucl. Agency. Naval
 Postgraduate School, (NPS 69-79-007PR), July, 1979.
 12 p.
- Nunn, R H
 7th Cranfield Fluidics Conf., Stuttgart, Nov. 12-14,
 1975.
 Office of Naval Res., London Branch, (ONRL C-4-76),
 1976. 20 p.
- Nunn, R H
 The Marine gas turbine--the UK provides a case study in technological development
 Office of Naval Res., London Branch (ONRL R-1-77)
 1977. 27 p.
- Perkins, A J; Cummings, J R; Graham, K J
 Morphological evidence for a pitting mechanism in dilute
 aluminum alloys.
 Naval Postgraduate School, (NPS-69Ps78005), June,
 1978. 16 p.
- Perkins, A J: Locke, J S: Graham, K J
 Effects of dissimilar metal coupling, potential
 distribution, and temper condition on galvanic corrosion
 of 5086 aluminum alloy in synthetic seawater
 Naval Postgraduate School, (NPS-69Ps-78-001), Jan.,
 1978. 57 p.
- Sarpkaya, T
 Vortex shedding and resistance in harmonic flow about smooth and rough circular cylinders at high Reynolds numbers
 Naval Postgraduate School, (NPS-59S176021), 1976.
 183 p.

DEPARTMENT OF MECHANICAL ENGINEERING TECHNICAL REPORTS AND NOTES (cont'd)

- Sarpkaya, T
 . In-line and transverse forces on smooth and sand-roughened cylinders in oscillatory flow at high Reynolds numbers
 Naval Postgraduate School, (NPS-69S176062), 1976. 64
- Sarpkaya, T Unidirectional periodic flow about bluff bodies Sponsored by the Nat. Sci. Foundation. Naval Postgraduate School, (NPS-69S177051), 1977. 112 p.
- Sarpkaya, T
 Transverse oscillations of a circular cylinder in uniform flow. Part I
 Sponsored by the Civil Eng. Lab., Port Hueneme, Calif. Naval Fostgraduate School, (NPS-69S177071R), 1977. 120 p.
- Sarpkaya, T
 Self-excited oscillations of a circular cylinder in
 harmonic flow
 Sponsored by the Nat. Sci. Foundation. Naval
 Postgraduate School, (NPS-695178009), 1978. 96 p.
- Sarpkaya, T
 Impulsive flow about a circular cylinder
 Sponsored by the Nat. Sci. Foundation. Naval
 Postgraduate School, (NPS-69S178008), 1978. 37 p.
- Sarpkaya, T; Shoaff, R L
 A discrete vortex analysis of flow about stationary and transversely oscillating circular cylinders
 Sponsored by Civil Eng. Lab., Naval Construction
 Battalion Center, Port Hueneme, Calif. Naval
 Postgraduate School, (NPS-69S179011), Jan., 1979.
 166 p.
- Schacher, G E; Fairall, C W; Davidson, K L; Houlihan, T M Experimental investigation of marine layer in Los Angeles basin Sponsored by the Calif. Air Resources Board. Naval Postgraduate School, (NPS-6178002), 1978.
- Vanderplaats, G N
 Structural optimization via a design space hierarchy
 J. Numerical Methods in Eng., vol. 10, no. 3, p.
 713-717, (1976).

DEFARTMENT OF MECHANICAL ENGINEERING TECHNICAL REPORTS AND NOTES (cont'd)

- Vanderplaats, G N
 COMMAND a FORTRAN program for simplified composite
 analysis and design. User's manual
 (NASA TM-X-73, 104), 1976. 49 p.
- Vanderplaats, G N
 Approximation concepts for numerical airfoil
 NASA, (TP-1370), 1978.
- Vanderplaats, G N: Fuhs, A E
 LASTOP—A computer code for laser turret optimization of small perturbation turrents in subsonic or supersonic flow
 Sponsored by the Air Porce Weapons Lab. Naval Postgraduate School, (NPS-6977004), 1977. 238 p.
- Vanderplaats, G N: Hicks, R M Numerical airfoil optimization using a reduced number of design coordinates (NASA TM-X-73, 151), 1976. 18 p.
- Vanderplaats, G N: Hicks, R M and others Airfoil section drag reduction at transonic speeds by numerical optimization (NASA TM-X-73, 097), 1976. 32 p.

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